

## EXHIBIT 2

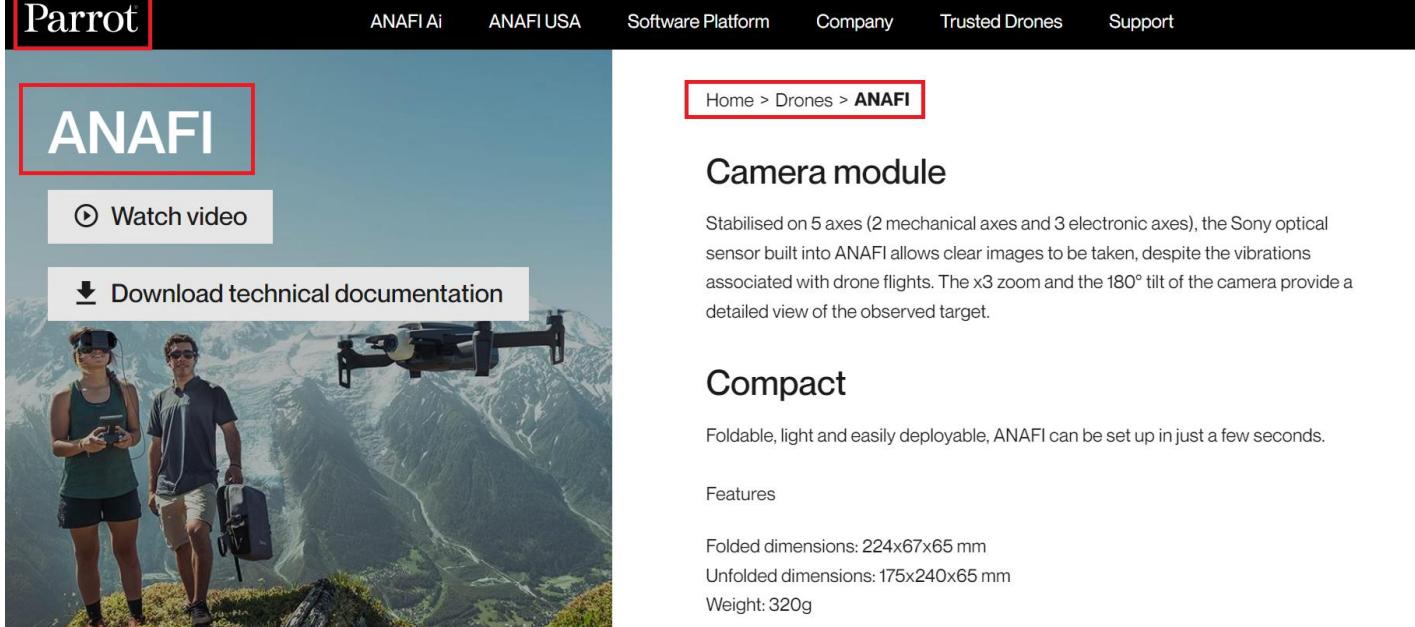
US10938246B2	Parrot ANAFI (“The accused product”)
1. A battery-operated device comprising:	The accused product is a battery-operated device (e.g., drone).
	 <p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p> <h2>Nomad</h2> <p><u>With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours.</u> The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).</p> <p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p>

EXHIBIT 2

Service ceiling: 4500m above sea level  
Operating Temperature range: -10°C to 40°C  
Satellite Positioning Systems: GPS & GLONASS

### **Smart battery**

Type: High Density Lipo (2 cells)  
Battery capacity: 2700mAh  
Battery life: 25 min  
Charging port: USB-C  
Voltage: 7.6V  
WMax Charging power: 24W

### **PARROT Skycontroller 3**

Size folded: 94x152x72mm  
Size unfolded: 153x152x116mm  
Weight: 386g  
Transmission system: Wi-Fi 802.11a/b/g/n  
Operating frequency: 2.4 - 5.8 GHz

<https://www.parrot.com/en/drones/anafi>

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div data-bbox="680 303 1208 632" style="border: 2px solid red; padding: 10px;"><p><b>SMART BATTERY</b></p><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <p><b>CONTROLLER</b></p> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<p><b>VIDEO RESOLUTION</b></p> <ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul> <p><b>VIDEO HFOV</b>: 69°</p> <ul style="list-style-type: none"><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul> <p><b>IMAGE STABILIZATION</b></p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p>
--	---	---

EXHIBIT 2

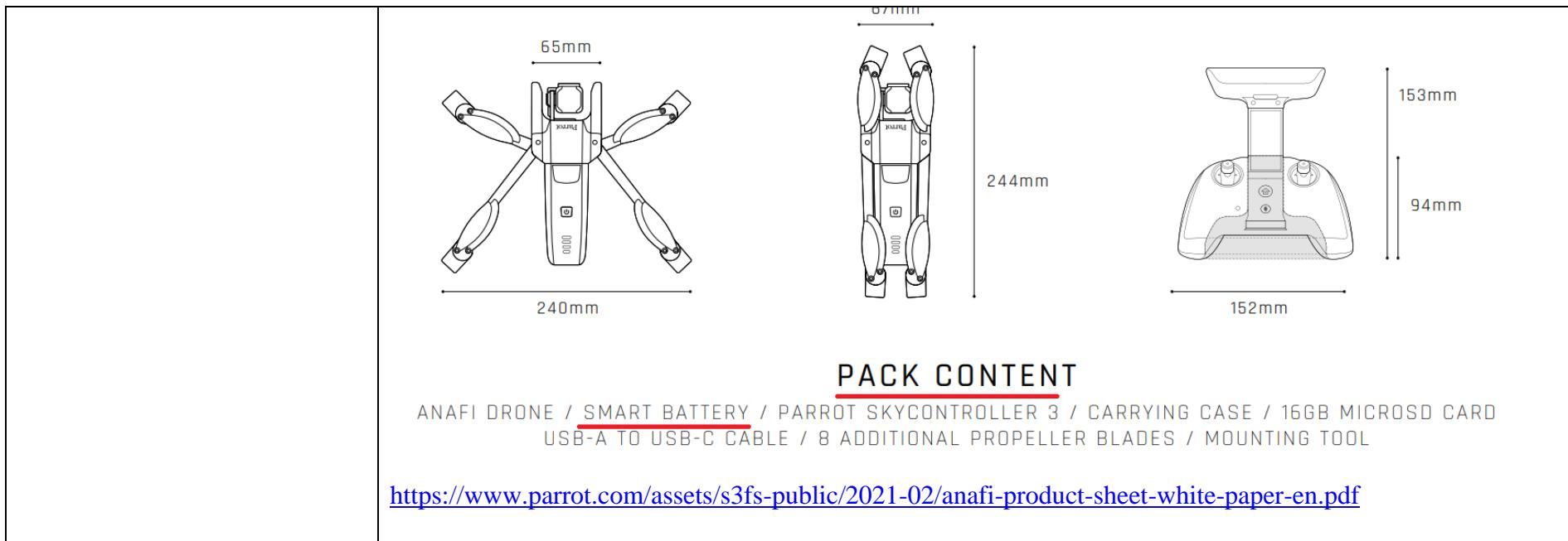


EXHIBIT 2

## 6 BATTERY

ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<p><u>6.3.4 Smart charging</u></p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a <u>USB 3.0 Power Delivery adapter</u> delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><u>Smart charging</u></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with <u>USB Power Delivery (PD) 3.0</u> protocol. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p>
a battery;	The accused product comprises a battery.

## EXHIBIT 2

Parrot

ANAFI AI ANAFI USA Software Platform Company Trusted Drones Support

ANAFI

Watch video

Download technical documentation



https://www.parrot.com/en/drones/anafi

## Nomad

With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).

https://www.parrot.com/en/drones/anafi

Home > Drones > **ANAFI**

### Camera module

Stabilised on 5 axes (2 mechanical axes and 3 electronic axes), the Sony optical sensor built into ANAFI allows clear images to be taken, despite the vibrations associated with drone flights. The x3 zoom and the 180° tilt of the camera provide a detailed view of the observed target.

### Compact

Foldable, light and easily deployable, ANAFI can be set up in just a few seconds.

#### Features

Folded dimensions: 224x67x65 mm  
Unfolded dimensions: 175x240x65 mm  
Weight: 320g

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
	<p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p>

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div data-bbox="680 303 1208 632" style="border: 2px solid red; padding: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<ul style="list-style-type: none"><li>• Video resolution:<ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul></li><li>• Video HFOV: 69°</li><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul> <b>IMAGE STABILIZATION</b> <ul style="list-style-type: none"><li>• Optical</li><li>• Electronic</li></ul>
--	---	--

EXHIBIT 2

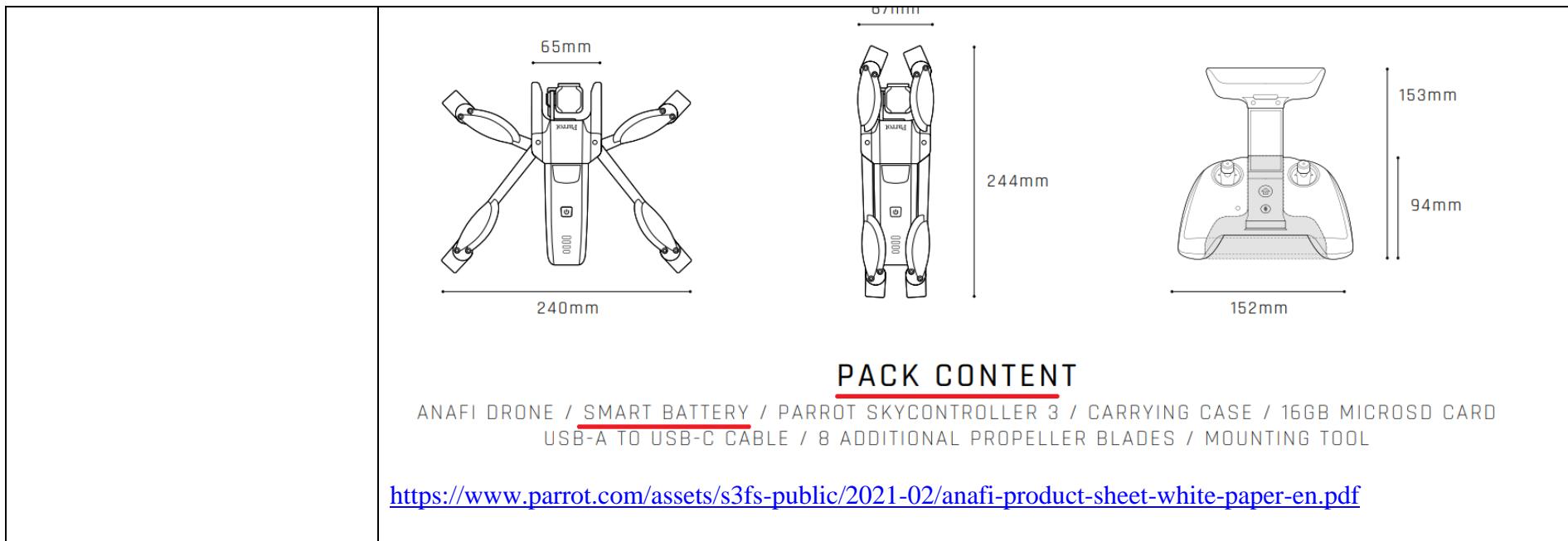


EXHIBIT 2

## 6 BATTERY

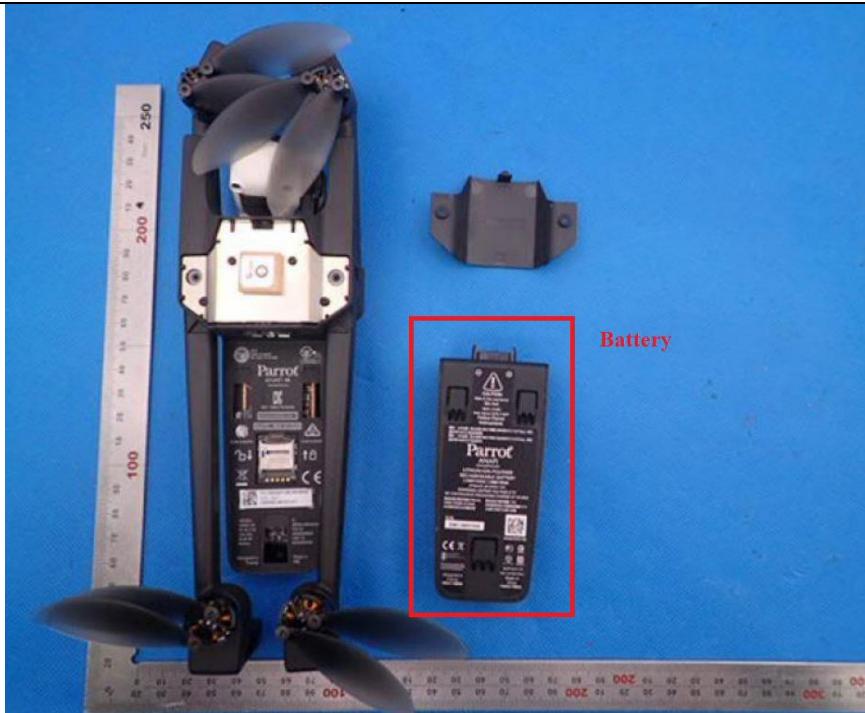
ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2



*Source: Parrot ANAFI internal image*

EXHIBIT 2

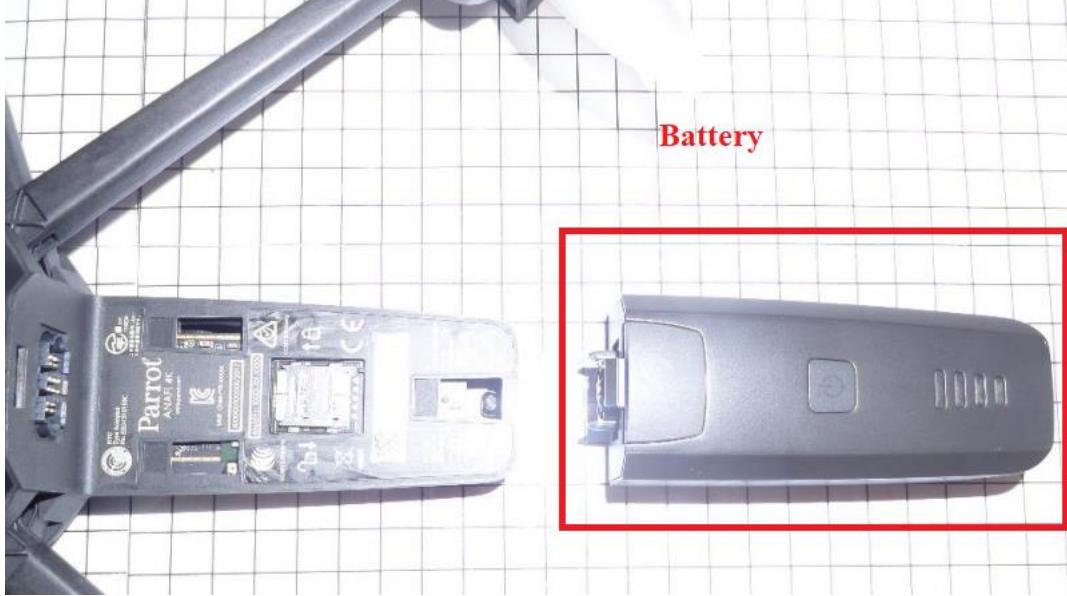
	 <p data-bbox="651 833 1145 873"><i>Source: Parrot ANAFI internal image</i></p>
an electronic circuitry configured to be powered by the battery; and	<p data-bbox="651 913 2077 992">The accused product comprises an electronic circuitry (e.g., circuitry for camera, motors, etc.) configured to be powered by the battery.</p> <p data-bbox="651 1032 2077 1111">The accused product comprises circuitries for camera, motors, etc. which are powered by the battery of the accused product.</p>

EXHIBIT 2

Parrot

ANAFI AI ANAFI USA Software Platform Company Trusted Drones Support

ANAFI

Watch video

Download technical documentation



<https://www.parrot.com/en/drones/anafi>

Home > Drones > **ANAFI**

## Camera module

Stabilised on 5 axes (2 mechanical axes and 3 electronic axes), the Sony optical sensor built into ANAFI allows clear images to be taken, despite the vibrations associated with drone flights. The x3 zoom and the 180° tilt of the camera provide a detailed view of the observed target.

## Compact

Foldable, light and easily deployable, ANAFI can be set up in just a few seconds.

### Features

Folded dimensions: 224x67x65 mm  
Unfolded dimensions: 175x240x65 mm  
Weight: 320g

## EXHIBIT 2

	<p><b>1.2 Aerodynamics</b></p> <p>1.2.1 Key characteristics</p> <ul style="list-style-type: none"> <li>• <u>ANAFI's powerful motors (60 W) have a 71 % yield (Pmech/Pelec efficiency) while stationary. They have been designed to get the best out of the propellers over the full flight range.</u></li> <li>• Weight/autonomy ratio: the 25-minute flight time, light weight structure (320 g) and the high yield of its conversion chain allows ANAFI to fly fast (54 km/h) and far (14 km)</li> <li>• Wind resistance: 50 km/h</li> <li>• Wind gust resistance: 80 km/h</li> <li>• Discreet: ANAFI is a lot quieter [65.5 dB (A) at 1 m] than any other comparable drone.</li> </ul> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p>
a converter configured to receive energy from any of a plurality of authorized chargers, and generate power from the energy for charging the battery using the power;	<p>The accused product comprises a converter (e.g., converting power from USB to battery charging) configured to receive energy (e.g., power from USB) from any of a plurality of authorized chargers (e.g., a plurality of chargers compliant with USB PD 2.0 and USB PD 3.0 standards), and generate power from the energy for charging the battery (e.g., battery of the accused product) using the power.</p> <p>The accused product charges its battery in compliance with USB PD 3.0 charging standard. The USB PD 3.0 standard provides the same output power support as the USB PD 2.0 and in addition provides programmable power supply (PPS) and is backward compatible with USB PD 2.0 for charging the battery.</p>

## EXHIBIT 2

	<p>6.3.4 Smart charging</p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p>6.3.5 USB-C Interface</p> <p>The battery's USB-C port allows for external charging of a device such as a 4G USB key; a CO2 sensor; any other compatible device connected through USB.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><u>Smart charging</u></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an USB-PD 3.0 charger (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p>
--	--

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

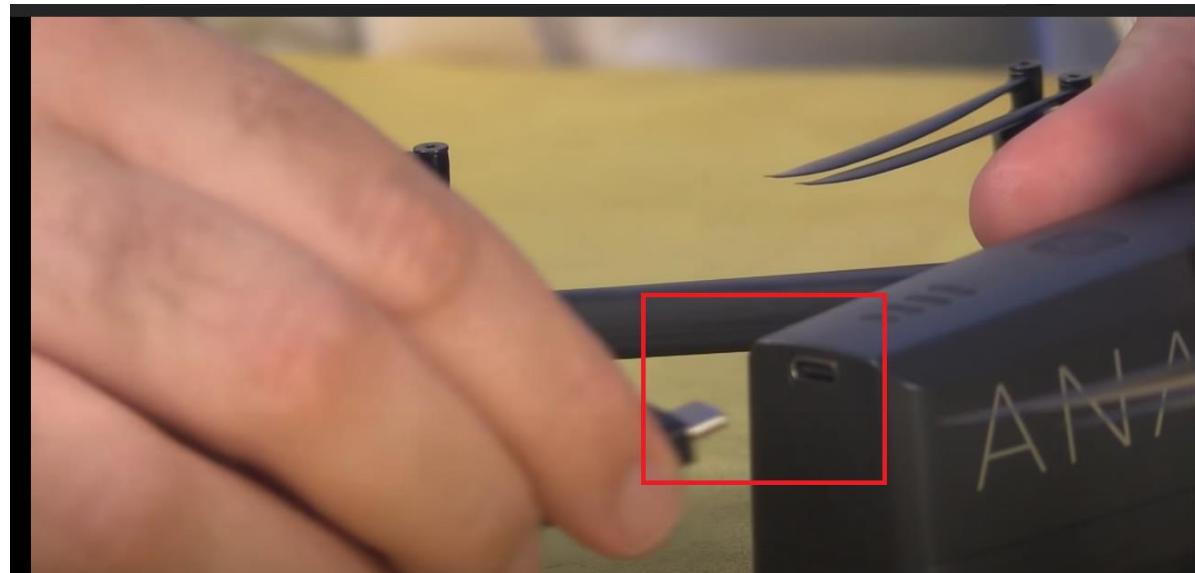
<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

Version	USB	USB	USB PD 2.0	USB PD 3.0	USB PD 3.0 PPS	USB PD 3.1
	BC	PD				
	1.2	1.0				
Release date	2010	2012	2014	2015	2017	2021
USB type	USB Type-A	USB Type-A, USB Type-B	USB Type-C	USB Type-C	USB Type-C	USB Type-C
Output support	5V1, 5A		5V 3A, 9V 3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	5V 3A, 9V 3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	5V 3A, 9V 3A, 15V 3A, 20V 3A, 20V 5A	5V 3A, 9V 3A, 15V 3A, 20V 3A, 20V 5A
			3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	3A, 20V 3A, 20V 5A	3A, 20V 5A
			20V 2.25A, 20V 3A, 20V 5A	20V 2.25A, 20V 3A, 20V 5A	2.25A, 20V 3A, 20V 5A	PPS: 3.3V-5.9V 3A, 3.3-11V 3A, 3.3-16V 3A, 3.3-21V 3A, 3.3-21V 5A
					PPS: 3.3V-5.9V 3A, 3.3-11V 3A, 3.3-16V 3A, 3.3-21V 3A, 3.3-21V 5A	3A, 3.3-11V 3A, 3.3-16V 3A, 3.3-21V 3A, 3.3-21V 5A
						AVS: 15-28V 5A, 15-36V 5A, 15-48V 5A

<https://www.thephonetalks.com/usb-pd-2-0-vs-3-0-vs-3-1/>

EXHIBIT 2



<https://www.youtube.com/watch?v=xR-LghIgTBk>

EXHIBIT 2



*Source: Parrot ANAFI external image*

## EXHIBIT 2

## 6 BATTERY

ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

#### 6.3.4 Smart charging

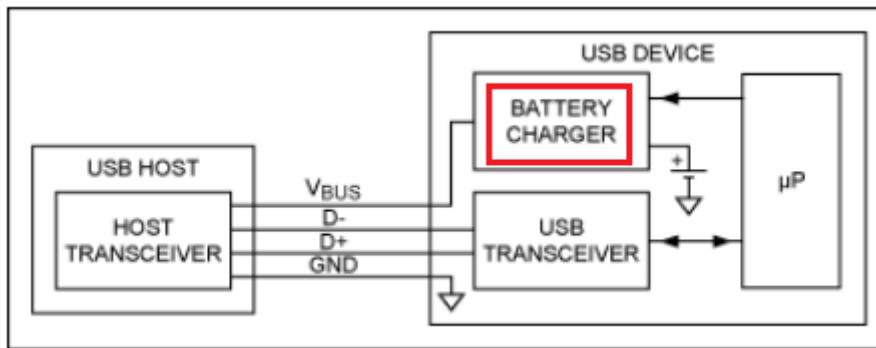
ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.

Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.

Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2



<https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#>

### 2.3 Compatibility with Revision 2.0

Revision 3.0 of the USB Power Delivery specification is designed to be fully interoperable with [USBPD 2.0] systems using BMC signaling over the [USB Type-C 2.0] connector and to be compatible with Revision 2.0 hardware.

This specification mandates that all Revision 3.0 systems fully support Revision 2.0 operation. They must discover the supported Revision used by their Port Partner and any connected Cable Plugs and revert to operation using the lowest common Revision number (see Section 6.2.1.1.5).

This specification defines Extended Messages containing data of up to 260 bytes (see Section 6.2.1.2). These Messages will be larger than expected by existing PHY HW. To accommodate Revision 2.0 based systems a Chunking mechanism is mandated such that Messages are limited to Revision 2.0 sizes unless it is discovered that both systems support the longer Message lengths.

*Source: USB PD 3.0 specification.PDF*

The accused product receives energy from a charger (e.g., an authorized charger complying with USB PD 2.0 or USB PD 3.0) which provides messages according to USB PD standards to indicate its charging capabilities and specification revision value. After selection of the common specification revision level and negotiation of power requirements, it generates power for charging the battery from the received energy.

## EXHIBIT 2

	<p>6.2.1.1.5 Specification Revision</p> <p>The <i>Specification Revision</i> field <b>Shall</b> be one of the following values (except 11b):</p> <ul style="list-style-type: none"> <li>• 00b – Revision 1.0</li> <li>• 01b – Revision 2.0</li> <li>• 10b – Revision 3.0</li> <li>• 11b – <b>Reserved</b>, <b>Shall Not</b> be used</li> </ul> <p>To ensure interoperability with existing USBPD Products, USBPD Products <b>Shall</b> support every PD Specification Revision starting from <b>[USBPD 2.0]</b> for <b>SOP*</b>; the only exception to this is a VPD which <b>Shall Ignore</b> Messages sent with PD Specification Revision 2.0 and earlier.</p> <p>After a physical or logical (USB Type-C® Error Recovery) Attach, a Port discovers the common Specification Revision level between itself and its Port Partner and/or the Cable Plug(s), and uses this Specification Revision level until a Detach, Hard Reset or Error Recovery happens.</p> <p>After detection of the Specification Revision to be used, all PD communications <b>Shall</b> comply completely with the relevant revision of the PD specification.</p> <p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p>When the Source Port first communicates with the Sink Port the <i>Specification Revision</i> field <b>Shall</b> be used as described by the following steps:</p> <ol style="list-style-type: none"> <li>1. The Source Port sends a <i>Source Capabilities</i> Message to the Sink Port setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Source Port supports.</li> <li>2. The Sink Port responds with a <i>Request</i> Message setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <i>Specification Revision</i> received from the Source Port.</li> <li>3. The Source and Sink Ports <b>Shall</b> use the <i>Specification Revision</i> in the <i>Request</i> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</li> </ol>
--	---

## EXHIBIT 2

<u>Table 6-1 Message Header</u>			
Bit(s)	Start of Packet	Field Name	Reference
15	SOP*	<i>Extended</i>	Section 6.2.1.1.1
14...12	SOP*	<i>Number of Data Objects</i>	Section 6.2.1.1.2
11...9	SOP*	<i>MessageID</i>	Section 6.2.1.1.3
8	SOP only	<i>Port Power Role</i>	Section 6.2.1.1.4
	SOP'/SOP''	<i>Cable Plug</i>	Section 6.2.1.1.7
7...6	SOP*	<i>Specification Revision</i>	Section 6.2.1.1.5
5	SOP only	<i>Port Data Role</i>	Section 6.2.1.1.6
	SOP'/SOP''	<i>Reserved</i>	Section 1.4.2.10
4...0	SOP*	<i>Message Type</i>	Section 6.2.1.1.8

**2.6.2 Sink Operation**

- At Attach (no PD Connection or Contract):
  - Sink detects Source Attachment through the presence of *vSafe5V*.
  - For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.
  - Once the Sink detects the presence of *vSafe5V* on  $V_{BUS}$  it waits for a *Source\_Capabilities* Message indicating the presence of a PD capable Source.
  - If the Sink does not receive a *Source\_Capabilities* Message within *tTypeCSinkWaitCap* then it issues *Hard Reset* Signaling in order to cause the Source Port to send a *Source\_Capabilities* Message if the Source Port is PD capable.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and does not recognize them.
- Establishing PD Connection (no PD Connection or Contract):
  - The Sink receives a *Source\_Capabilities* Message and responds with a *GoodCRC* Message.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and *Discards* them.

## EXHIBIT 2

	<p><b>6.4.1.2      <i>Source_Capabilities</i> Message</b></p> <p>A Source Port <b>Shall</b> report its capabilities in a series of 32-bit Power Data Objects (see Table 6-7) as part of a <b>Source_Capabilities</b> Message (see Figure 6-12). Power Data Objects are used to convey a Source Port's capabilities to provide power including Dual-Role Power ports presently operating as a Sink.</p> <p>Each Power Data Object <b>Shall</b> describe a specific Source capability such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V) at a maximum allowable current. The <b>Number of Data Objects</b> field in the Message Header <b>Shall</b> define the number of Power Data Objects that follow the Message Header in a Data Message. All Sources <b>Shall</b> minimally offer one Power Data Object that reports <b>vSafe5V</b>. A Source <b>Shall Not</b> offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but <b>Shall</b> instead offer one Power Data Object with the highest available current for that Source capability and voltage.</p> <p>Sinks with Accessory Support do not source V<sub>BUS</sub> (see <b>[USB Type-C 2.0]</b>). Sinks with Accessory Support are still considered Sources when sourcing VCONN to an Accessory even though V<sub>BUS</sub> is not applied; in this case they <b>Shall</b> advertise <b>vSafe5V</b> with the Maximum Current set to 0mA in the first Power Data Object. The main purpose of this is to enable the Sink with Accessory Support to get into the <b>PE_SRC_Ready</b> State in order to enter an Alternate Mode.</p> <p>A Sink <b>Shall</b> evaluate every <b>Source_Capabilities</b> Message it receives and <b>Shall</b> respond with a <b>Request</b> Message. If its power consumption exceeds the Source's capabilities it <b>Shall</b> re-negotiate so as not to exceed the Source's most recently advertised capabilities.</p> <p>A Sink that evaluates the <b>Source_Capabilities</b> Message it receives and identifies a PPS APDO <b>Shall</b> periodically re-request the PPS APDO at least every <b>tPPSRequest</b> until either:</p>
--	---

## EXHIBIT 2

### 6.4.1 Capabilities Message

A Capabilities Message (*Source\_Capabilities* Message or *Sink\_Capabilities* Message) **Shall** have at least one Power Data Object for *vSafe5V*. The Capabilities Message **Shall** also contain the sending Port's information followed by up to 6 additional Power Data Objects. Power Data Objects in a Capabilities Message **Shall** be sent in the following order:

1. The *vSafe5V* Fixed Supply Object **Shall** always be the first object.
2. The remaining Fixed Supply Objects, if present, **Shall** be sent in voltage order; lowest to highest.
3. The Battery Supply Objects, if present **Shall** be sent in Minimum Voltage order; lowest to highest.
4. The Variable Supply (non-Battery) Objects, if present, **Shall** be sent in Minimum Voltage order; lowest to highest.
5. The Programmable Power Supply Objects, if present, **Shall** be sent in Maximum Voltage order, lowest to highest.

Figure 6-12 Example Capabilities Message with 2 Power Data Objects

Header	Object1	Object2
No. of Data Objects = 2		

In Figure 6-12, the *Number of Data Objects* field is 2: *vSafe5V* plus one other voltage.

Power Data Objects (PDO) and Augmented Power Data Objects (APDO) are identified by the Message Header's Type field. They are used to form *Source\_Capabilities* Messages and *Sink\_Capabilities* Messages.

## EXHIBIT 2

	<p>Sources expose their power capabilities by sending a <b>Source Capabilities</b> Message. Sinks expose their power requirements by sending a <b>Sink Capabilities</b> Message. Both are composed of a number of 32-bit Power Data Objects (see Table 6-7).</p> <p style="text-align: center;"><b>Table 6-7 Power Data Object</b></p> <table border="1" data-bbox="736 350 1792 568"> <thead> <tr> <th>Bit(s)</th><th colspan="2">Description</th></tr> </thead> <tbody> <tr> <td rowspan="5">B31...30</td><th>Value</th><th>Parameter</th></tr> <tr> <td>00b</td><td>Fixed supply (Vmin = Vmax)</td></tr> <tr> <td>01b</td><td>Battery</td></tr> <tr> <td>10b</td><td>Variable Supply (non-Battery)</td></tr> <tr> <td>11b</td><td>Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...0</td><td colspan="2">Specific Power Capabilities are described by the PDOs in the following sections.</td></tr> </tbody> </table> <p>The Augmented Power Data Object (APDO) is defined to allow support for more than the four PDO types by extending the Power Data Object field from 2 to 4 bits when the B31...B30 are 11b. The generic APDO structure is shown in Table 6-8.</p> <p style="text-align: center;"><b>Table 6-8 Augmented Power Data Object</b></p> <table border="1" data-bbox="736 732 1792 886"> <thead> <tr> <th>Bit(s)</th><th>Description</th></tr> </thead> <tbody> <tr> <td>B31...30</td><td>11b - Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...28</td><td>00b - Programmable Power Supply 01b-11b - <b>Reserved</b></td></tr> <tr> <td>B27...0</td><td>Specific Power Capabilities are described by the APDOs in the following sections.</td></tr> </tbody> </table> <p><i>Source: USB PD 3.0 specification.PDF</i></p>	Bit(s)	Description		B31...30	Value	Parameter	00b	Fixed supply (Vmin = Vmax)	01b	Battery	10b	Variable Supply (non-Battery)	11b	Augmented Power Data Object (APDO)	B29...0	Specific Power Capabilities are described by the PDOs in the following sections.		Bit(s)	Description	B31...30	11b - Augmented Power Data Object (APDO)	B29...28	00b - Programmable Power Supply 01b-11b - <b>Reserved</b>	B27...0	Specific Power Capabilities are described by the APDOs in the following sections.
Bit(s)	Description																									
B31...30	Value	Parameter																								
	00b	Fixed supply (Vmin = Vmax)																								
	01b	Battery																								
	10b	Variable Supply (non-Battery)																								
	11b	Augmented Power Data Object (APDO)																								
B29...0	Specific Power Capabilities are described by the PDOs in the following sections.																									
Bit(s)	Description																									
B31...30	11b - Augmented Power Data Object (APDO)																									
B29...28	00b - Programmable Power Supply 01b-11b - <b>Reserved</b>																									
B27...0	Specific Power Capabilities are described by the APDOs in the following sections.																									
<p>the battery-operated device configured to: receive a charger identification from a charger;</p> <p><b>Excerpt from US'246 [13:5-15]:</b></p> <p><i>C. Power Transfer only from Authorized Masters</i></p>	<p>The accused product is the battery-operated device which is configured to receive a charger identification (e.g., information related to capabilities of a charger as well as specification revision value supported by the charger as indicated in the Source_Capabilities Message) from a charger.</p>																									

## EXHIBIT 2

<p><i>A slave prevents non-authorized masters from trying to charge it or power it up (or networked servers from commanding masters to charge it or power it up) in some embodiments. Slaves store identifying information about masters (or networked servers) that are authorized to charge them. The stored information about authorized masters or networked servers includes one or more of the following information about the masters: the masters' media access control address (MAC ID), network IP address, name, serial number, product name and manufacturer, capabilities, etc.</i></p>	<h2>Nomad</h2> <p>With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).</p> <p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p>
--	--

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
--	--

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<b>VIDEO RESOLUTION</b> <ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul> <b>VIDEO HFOV</b> : 69° <ul style="list-style-type: none"><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul> <b>IMAGE STABILIZATION</b> <ul style="list-style-type: none"><li>• Optical</li><li>• Electronic</li></ul>
--	--	---

EXHIBIT 2

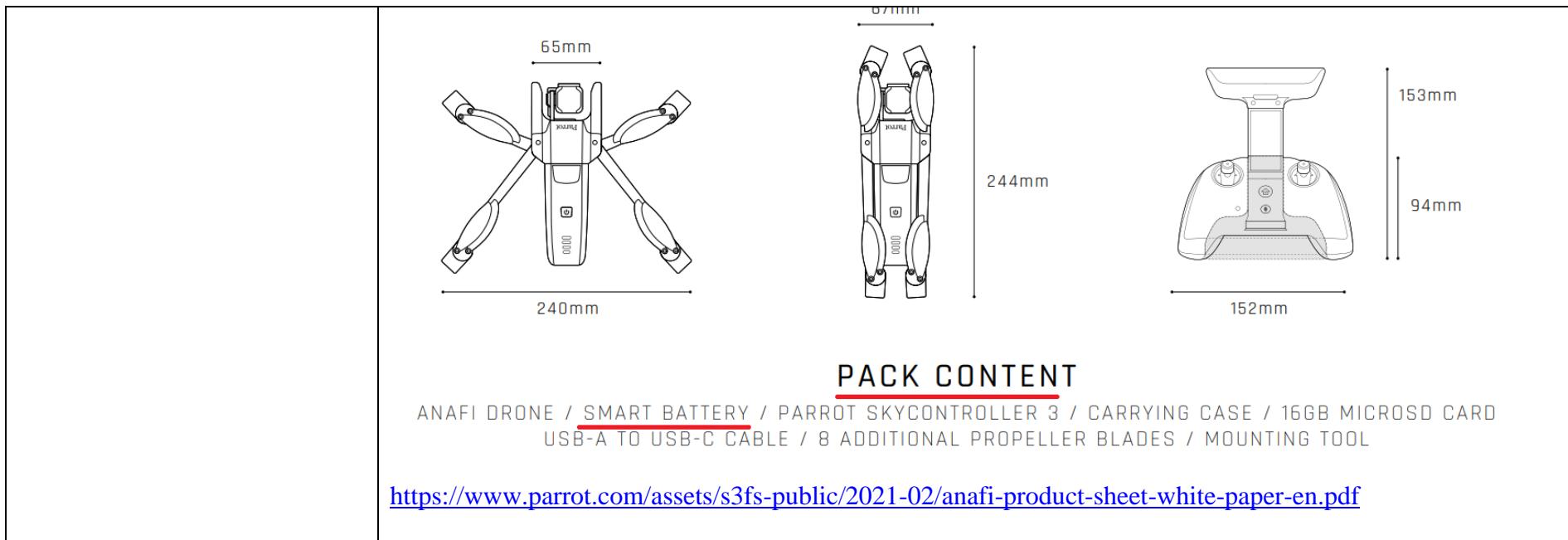


EXHIBIT 2

## 6 BATTERY

ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<p><b>6.3.4 Smart charging</b></p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a <u>USB 3.0 Power Delivery adapter</u> delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><b>Smart charging</b></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with <u>USB Power Delivery (PD) 3.0 protocol</u>. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p> <p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p><b>When the Source Port first communicates with the Sink Port the <i>Specification Revision</i> field <b>Shall</b> be used as described by the following steps:</b></p> <ol style="list-style-type: none"> <li>1. The Source Port sends a <b>Source Capabilities</b> Message to the Sink Port setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Source Port supports.</li> <li>2. The Sink Port responds with a <b>Request</b> Message setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <b>Specification Revision</b> received from the Source Port.</li> <li>3. The Source and Sink Ports <b>Shall</b> use the <b>Specification Revision</b> in the <b>Request</b> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</li> </ol>
--	---

## EXHIBIT 2

Table 6-1 Message Header			
Bit(s)	Start of Packet	Field Name	Reference
15	SOP*	<i>Extended</i>	Section 6.2.1.1.1
14...12	SOP*	<i>Number of Data Objects</i>	Section 6.2.1.1.2
11...9	SOP*	<i>MessageID</i>	Section 6.2.1.1.3
8	SOP only	<i>Port Power Role</i>	Section 6.2.1.1.4
	SOP'/SOP''	<i>Cable Plug</i>	Section 6.2.1.1.7
7...6	SOP*	<i>Specification Revision</i>	Section 6.2.1.1.5
5	SOP only	<i>Port Data Role</i>	Section 6.2.1.1.6
	SOP'/SOP''	<i>Reserved</i>	Section 1.4.2.10
4...0	SOP*	<i>Message Type</i>	Section 6.2.1.1.8

**2.6.2 Sink Operation**

- At Attach (no PD Connection or Contract):
  - Sink detects Source Attachment through the presence of *vSafe5V*.
  - For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.
  - Once the Sink detects the presence of *vSafe5V* on *V<sub>BUS</sub>* it waits for a *Source\_Capabilities* Message indicating the presence of a PD capable Source.
  - If the Sink does not receive a *Source\_Capabilities* Message within *tTypeCSinkWaitCap* then it issues *Hard Reset* Signaling in order to cause the Source Port to send a *Source\_Capabilities* Message if the Source Port is PD capable.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and does not recognize them.
- Establishing PD Connection (no PD Connection or Contract):
  - The Sink receives a *Source\_Capabilities* Message and responds with a *GoodCRC* Message.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and *Discards* them.

## EXHIBIT 2

6.4.1.2 **Source\_Capabilities Message**

A Source Port **Shall** report its capabilities in a series of 32-bit Power Data Objects (see Table 6-7) as part of a **Source\_Capabilities** Message (see Figure 6-12). Power Data Objects are used to convey a Source Port's capabilities to provide power including Dual-Role Power ports presently operating as a Sink.

Each Power Data Object **Shall** describe a specific Source capability such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V) at a maximum allowable current. The **Number of Data Objects** field in the Message Header **Shall** define the number of Power Data Objects that follow the Message Header in a Data Message. All Sources **Shall** minimally offer one Power Data Object that reports **vSafe5V**. A Source **Shall Not** offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but **Shall** instead offer one Power Data Object with the highest available current for that Source capability and voltage.

Sinks with Accessory Support do not source V<sub>BUS</sub> (see **[USB Type-C 2.0]**). Sinks with Accessory Support are still considered Sources when sourcing VCONN to an Accessory even though V<sub>BUS</sub> is not applied; in this case they **Shall** advertise **vSafe5V** with the Maximum Current set to 0mA in the first Power Data Object. The main purpose of this is to enable the Sink with Accessory Support to get into the **PE\_SRC\_Ready** State in order to enter an Alternate Mode.

A Sink **Shall** evaluate every **Source\_Capabilities** Message it receives and **Shall** respond with a **Request** Message. If its power consumption exceeds the Source's capabilities it **Shall** re-negotiate so as not to exceed the Source's most recently advertised capabilities.

A Sink that evaluates the **Source\_Capabilities** Message it receives and identifies a PPS APDO **Shall** periodically re-request the PPS APDO at least every **tPPSRequest** until either:

## EXHIBIT 2

### 6.4.1 Capabilities Message

A Capabilities Message (*Source Capabilities* Message or *Sink Capabilities* Message) **Shall** have at least one Power Data Object for *vSafe5V*. The Capabilities Message **Shall** also contain the sending Port's information followed by up to 6 additional Power Data Objects. Power Data Objects in a Capabilities Message **Shall** be sent in the following order:

1. The *vSafe5V* Fixed Supply Object **Shall** always be the first object.
2. The remaining Fixed Supply Objects, if present, **Shall** be sent in voltage order; lowest to highest.
3. The Battery Supply Objects, if present **Shall** be sent in Minimum Voltage order; lowest to highest.
4. The Variable Supply (non-Battery) Objects, if present, **Shall** be sent in Minimum Voltage order; lowest to highest.
5. The Programmable Power Supply Objects, if present, **Shall** be sent in Maximum Voltage order, lowest to highest.

Figure 6-12 Example Capabilities Message with 2 Power Data Objects

Header	Object1	Object2
No. of Data Objects = 2		

In Figure 6-12, the *Number of Data Objects* field is 2: *vSafe5V* plus one other voltage.

Power Data Objects (PDO) and Augmented Power Data Objects (APDO) are identified by the Message Header's Type field. They are used to form *Source Capabilities* Messages and *Sink Capabilities* Messages.

## EXHIBIT 2

	<p>Sources expose their power capabilities by sending a <b>Source Capabilities</b> Message. Sinks expose their power requirements by sending a <b>Sink Capabilities</b> Message. Both are composed of a number of 32-bit Power Data Objects (see Table 6-7).</p> <p style="text-align: center;"><b>Table 6-7 Power Data Object</b></p> <table border="1" data-bbox="736 354 1792 568"> <thead> <tr> <th>Bit(s)</th><th colspan="2">Description</th></tr> <tr> <th>B31...30</th><th>Value</th><th>Parameter</th></tr> </thead> <tbody> <tr> <td></td><td>00b</td><td>Fixed supply (Vmin = Vmax)</td></tr> <tr> <td></td><td>01b</td><td>Battery</td></tr> <tr> <td></td><td>10b</td><td>Variable Supply (non-Battery)</td></tr> <tr> <td></td><td>11b</td><td>Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...0</td><td colspan="2">Specific Power Capabilities are described by the PDOs in the following sections.</td></tr> </tbody> </table> <p>The Augmented Power Data Object (APDO) is defined to allow support for more than the four PDO types by extending the Power Data Object field from 2 to 4 bits when the B31...B30 are 11b. The generic APDO structure is shown in Table 6-8.</p> <p style="text-align: center;"><b>Table 6-8 Augmented Power Data Object</b></p> <table border="1" data-bbox="736 735 1792 886"> <thead> <tr> <th>Bit(s)</th><th>Description</th></tr> </thead> <tbody> <tr> <td>B31...30</td><td>11b - Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...28</td><td>00b - Programmable Power Supply</td></tr> <tr> <td></td><td>01b-11b - <b>Reserved</b></td></tr> <tr> <td>B27...0</td><td>Specific Power Capabilities are described by the APDOs in the following sections.</td></tr> </tbody> </table> <p><i>Source: USB PD 3.0 specification.PDF</i></p>	Bit(s)	Description		B31...30	Value	Parameter		00b	Fixed supply (Vmin = Vmax)		01b	Battery		10b	Variable Supply (non-Battery)		11b	Augmented Power Data Object (APDO)	B29...0	Specific Power Capabilities are described by the PDOs in the following sections.		Bit(s)	Description	B31...30	11b - Augmented Power Data Object (APDO)	B29...28	00b - Programmable Power Supply		01b-11b - <b>Reserved</b>	B27...0	Specific Power Capabilities are described by the APDOs in the following sections.
Bit(s)	Description																															
B31...30	Value	Parameter																														
	00b	Fixed supply (Vmin = Vmax)																														
	01b	Battery																														
	10b	Variable Supply (non-Battery)																														
	11b	Augmented Power Data Object (APDO)																														
B29...0	Specific Power Capabilities are described by the PDOs in the following sections.																															
Bit(s)	Description																															
B31...30	11b - Augmented Power Data Object (APDO)																															
B29...28	00b - Programmable Power Supply																															
	01b-11b - <b>Reserved</b>																															
B27...0	Specific Power Capabilities are described by the APDOs in the following sections.																															
determine whether the charger identification is in a list of charger identifications belonging to the plurality of authorized chargers;	The accused product is configured to determine whether the charger identification (e.g., specification revision value and capabilities of the charger as indicated in the Source_Capabilities message) is in a list of charger identifications belonging to the plurality of authorized chargers (e.g., specification revision values and source capabilities supported by the accused device).																															

## EXHIBIT 2

	<p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p>When the Source Port first communicates with the Sink Port the <b>Specification Revision</b> field <b>Shall</b> be used as described by the following steps:</p> <ol style="list-style-type: none"> <li>1. The Source Port sends a <b>Source Capabilities</b> Message to the Sink Port setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Source Port supports.</li> <li>2. The Sink Port responds with a <b>Request</b> Message setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <b>Specification Revision</b> received from the Source Port.</li> <li>3. The Source and Sink Ports <b>Shall</b> use the <b>Specification Revision</b> in the <b>Request</b> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</li> </ol> <p style="text-align: center;">6.2.1.1.5 Specification Revision</p> <p>The <b>Specification Revision</b> field <b>Shall</b> be one of the following values (except 11b):</p> <ul style="list-style-type: none"> <li>• 00b – Revision 1.0</li> <li>• <u>01b – Revision 2.0</u></li> <li>• <u>10b – Revision 3.0</u></li> <li>• 11b – <b>Reserved</b>, <b>Shall Not</b> be used</li> </ul> <p>To ensure interoperability with existing USBPD Products, USBPD Products <b>Shall</b> support every PD Specification Revision starting from <b>[USBPD 2.0]</b> for <b>SOP*</b>; the only exception to this is a VPD which <b>Shall Ignore</b> Messages sent with PD Specification Revision 2.0 and earlier.</p>
--	---

## EXHIBIT 2

	<p><b>6.4.1.3 Sink Capabilities Message</b></p> <p>A Sink Port <b>Shall</b> report power levels it is able to operate at in a series of 32-bit Power Data Objects (see Table 6-7). These are returned as part of a <b>Sink_Capabilities</b> Message in response to a <b>Get_Sink_Cap</b> Message (see Figure 6-12). This is similar to that used for Source Port capabilities with equivalent Power Data Objects for Fixed, Variable and Battery Supplies as defined in this section. Power Data Objects are used to convey the Sink Port's operational power requirements including Dual-Role Power Ports presently operating as a Source.</p> <p>Each Power Data Object <b>Shall</b> describe a specific Sink operational power level, such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V). The <b>Number of Data Objects</b> field in the Message Header <b>Shall</b> define the number of Power Data Objects that follow the Message Header in a Data Message.</p> <p>All Sinks <b>Shall</b> minimally offer one Power Data Object with a power level at which the Sink can operate. A Sink <b>Shall Not</b> offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but <b>Shall</b> instead offer one Power Data Object with the highest available current for that Sink capability and voltage.</p> <p>All Sinks <b>Shall</b> include one Power Data Object that reports <b>vSafe5V</b> even if they require additional power to operate fully. In the case where additional power is required for full operation the Higher Capability bit <b>Shall</b> be set.</p>
--	---

## EXHIBIT 2

	<p><b>2.6.2 <u>Sink Operation</u></b></p> <ul style="list-style-type: none"> <li>• At Attach (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ Sink detects Source Attachment through the presence of <b><i>vSafe5V</i></b>.</li> <li>◦ For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.</li> <li>◦ <u>Once the Sink detects the presence of <b><i>vSafe5V</i></b> on <b><i>V<sub>BUS</sub></i></b> it waits for a <b><i>Source Capabilities</i></b> Message indicating the presence of a PD capable Source.</u></li> <li>◦ If the Sink does not receive a <b><i>Source Capabilities</i></b> Message within <b><i>tTypeCSinkWaitCap</i></b> then it issues <b><i>Hard Reset</i></b> Signaling in order to cause the Source Port to send a <b><i>Source Capabilities</i></b> Message if the Source Port is PD capable.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and does not recognize them.</li> </ul> </li> <li>• Establishing PD Connection (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ The Sink receives a <b><i>Source Capabilities</i></b> Message and responds with a <b><i>GoodCRC</i></b> Message.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <b><i>Discards</i></b> them.</li> </ul> </li> <li>• Establishing Explicit Contract (PD Connection but no Explicit Contract or Implicit Contract after a Power Role Swap or Fast Role Swap): <ul style="list-style-type: none"> <li>◦ <u>The Sink receives a <b><i>Source Capabilities</i></b> Message from the Source and responds with a <b><i>Request</i></b> Message. If this is a <b><i>Valid</i></b> request the Sink receives an <b><i>Accept</i></b> Message followed by a <b><i>PS_RDY</i></b> Message when the Source's power supply is ready to source power at the agreed level. At this point the Source and Sink have entered into an Explicit Contract:</u> <ul style="list-style-type: none"> <li>▪ The Sink Port may request one of the capabilities offered by the Source, even if this is the <b><i>vSafe5V</i></b> output offered by <b><i>[USB 2.0], [USB 3.2], [USB Type-C 2.0]</i></b> or <b><i>[USBBC 1.2]</i></b>, in order to enable future power negotiation: <ul style="list-style-type: none"> <li>◆ A Sink not requesting any capability with a <b><i>Request</i></b> Message results in an error.</li> </ul> </li> <li>▪ A Sink unable to fully operate at the offered capabilities requests the default capability but indicates that it would prefer another power level and provide a physical indication of the failure to the end user (e.g. using an LED).</li> <li>▪ A Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <b><i>Discards</i></b> them.</li> </ul> </li> </ul> </li> </ul> <p><i>Source: USB PD 3.0 specification.PDF</i></p>
--	--

## EXHIBIT 2

	<p>The accused product receives energy from a charger (e.g., authorized charger) which provides source capabilities and supported specification revision value. In case the charger doesn't provide a supported specification revision value, i.e., if the charger complies with USB PD 1.0, or the charger doesn't provide source capabilities requested by the accused device, the accused product will not consider the charger as an authorized charger and communication gets fail. The communication between charger and the accused product comes to a USB default operation at zero volts.</p> <p style="text-align: center;">6.2.1.1.5 Specification Revision</p> <p>The <i>Specification Revision</i> field <b><i>Shall</i></b> be one of the following values (except 11b):</p> <ul style="list-style-type: none"><li>• 00b –Revision 1.0</li><li>• <u>01b –Revision 2.0</u></li><li>• <u>10b – Revision 3.0</u></li><li>• 11b – <b><i>Reserved, Shall Not</i></b> be used</li></ul> <p>To ensure interoperability with existing USBPD Products, USBPD Products <b><i>Shall</i></b> support every PD Specification Revision starting from <u><i>[USBPD 2.0]</i></u> for <i>SOP*</i>; the only exception to this is a VPD which <b><i>Shall Ignore</i></b> Messages sent with PD Specification Revision 2.0 and earlier.</p>
--	--

## EXHIBIT 2

	<p><b><u>2.6.2 Sink Operation</u></b></p> <ul style="list-style-type: none"> <li>• At Attach (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ Sink detects Source Attachment through the presence of <i>vSafe5V</i>.</li> <li>◦ For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.</li> <li>◦ Once the Sink detects the presence of <i>vSafe5V</i> on <i>V<sub>BUS</sub></i> it waits for a <i>Source Capabilities</i> Message indicating the presence of a PD capable Source.</li> <li>◦ If the Sink does not receive a <i>Source Capabilities</i> Message within <i>tTypeCSinkWaitCap</i> then it issues <i>Hard Reset</i> Signaling in order to cause the Source Port to send a <i>Source Capabilities</i> Message if the Source Port is PD capable.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and does not recognize them.</li> </ul> </li> <li>• Establishing PD Connection (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ The Sink receives a <i>Source Capabilities</i> Message and responds with a <i>GoodCRC</i> Message.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> <li>• Establishing Explicit Contract (PD Connection but no Explicit Contract or Implicit Contract after a Power Role Swap or Fast Role Swap): <ul style="list-style-type: none"> <li>◦ The Sink receives a <i>Source Capabilities</i> Message from the Source and responds with a <i>Request</i> Message. If this is a <i>Valid</i> request the Sink receives an <i>Accept</i> Message followed by a <i>PS_RDY</i> Message when the Source's power supply is ready to source power at the agreed level. At this point the Source and Sink have entered into an Explicit Contract: <ul style="list-style-type: none"> <li>▪ The Sink Port may request one of the capabilities offered by the Source, even if this is the <i>vSafe5V</i> output offered by <i>[USB 2.0]</i>, <i>[USB 3.2]</i>, <i>[USB Type-C 2.0]</i> or <i>[USBBC 1.2]</i>, in order to enable future power negotiation: <ul style="list-style-type: none"> <li>◆ A Sink not requesting any capability with a <i>Request</i> Message results in an error.</li> </ul> </li> <li>▪ A Sink unable to fully operate at the offered capabilities requests the default capability but indicates that it would prefer another power level and provide a physical indication of the failure to the end user (e.g. using an LED).</li> <li>▪ A Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> </ul> </li> </ul>
--	--

## EXHIBIT 2

	<p>8.3.3.2.8 PE_SRC_Capability_Response State</p> <p>The Policy Engine <b>Shall</b> enter the <b>PE_SRC_Capability_Response</b> state if there is a Request received from the Sink that cannot be met based on the present capabilities. When the present Contract is not within the present capabilities it is regarded as <b>Invalid</b> and a Hard Reset will be triggered.</p> <p><b>7.1.5 Response to Hard Resets</b></p> <p><b>Hard Reset</b> Signaling indicates a communication failure has occurred and the Source <b>Shall</b> stop driving VCONN, <b>Shall</b> remove Rp from the VCONN pin and <b>Shall</b> drive V<sub>BUS</sub> to <b>vSafe0V</b> as shown in Figure 7-10. The USB connection <b>May</b> reset during a Hard Reset since the V<sub>BUS</sub> voltage will be less than <b>vSafe5V</b> for an extended period of time. After establishing the <b>vSafe0V</b> voltage condition on V<sub>BUS</sub>, the Source <b>Shall</b> wait <b>tSrcRecover</b> before re-applying VCONN and restoring V<sub>BUS</sub> to <b>vSafe5V</b>. A Source <b>Shall</b> conform to the VCONN timing as specified in <b>[USB Type-C 2.0]</b>.</p> <p>Device operation during and after a Hard Reset is defined as follows:</p> <ul style="list-style-type: none"> <li>• Self-powered devices <b>Should Not</b> disconnect from USB during a Hard Reset (see Section 9.1.2).</li> <li>• Self-powered devices operating at more than <b>vSafe5V</b> <b>May Not</b> maintain full functionality after a <b>Hard Reset</b>.</li> <li>• Bus powered devices will disconnect from USB during a Hard Reset due to the loss of their power source.</li> </ul> <p>When a Hard Reset occurs the Source <b>Shall</b> stop driving VCONN, <b>Shall</b> remove Rp from the VCONN pin and <b>Shall</b> start to transition the V<sub>BUS</sub> voltage to <b>vSafe0V</b> either:</p> <ul style="list-style-type: none"> <li>• <b>tPSHardReset</b> after the last bit of the <b>Hard Reset</b> Signaling has been received from the Sink or</li> <li>• <b>tPSHardReset</b> after the last bit of the <b>Hard Reset</b> Signaling has been sent by the Source.</li> </ul> <p>The Source <b>Shall</b> meet both <b>tSafe5V</b> and <b>tSafe0V</b> relative to the start of the voltage transition as shown in Figure 7-10.</p> <table border="1"> <tr> <td data-bbox="669 1008 938 1103"><b>vSafe0V</b></td><td data-bbox="938 1008 1477 1103">Safe operating voltage at “zero volts”.</td></tr> </table> <p><i>Source: USB PD 3.0 specification.PDF</i></p>	<b>vSafe0V</b>	Safe operating voltage at “zero volts”.
<b>vSafe0V</b>	Safe operating voltage at “zero volts”.		

## EXHIBIT 2

in response to determining that the charger identification is in the list of charger identifications: receive the energy from the charger;	The accused product practices, in response to determining that the charger identification (e.g., identification information related to specification revision value as well as capabilities indicated in the Source_Capabilities message sent by the charger) is in a list of charger identifications (e.g., specification revision values and capabilities supported by the accused device), receiving the energy from the charger (e.g., USB PD compliant charger).
	<b>Nomad</b>  With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).  <a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a>

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
	<p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p>

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<ul style="list-style-type: none"><li>• Video resolution:<ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul></li><li>• Video HFOV: 69°</li><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul>
		<b>IMAGE STABILIZATION</b> • 5-axis hybrid image stabilization

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<p><b>6.3.4 Smart charging</b></p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a <u>USB 3.0 Power Delivery adapter</u> delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><b>Smart charging</b></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with <u>USB Power Delivery (PD) 3.0</u> protocol. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p> <p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p><b>When the Source Port first communicates with the Sink Port the <i>Specification Revision</i> field <b>Shall</b> be used as described by the following steps:</b></p> <ol style="list-style-type: none"> <li>1. <b>The Source Port sends a <i>Source Capabilities</i> Message to the Sink Port setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Source Port supports.</b></li> <li>2. <b>The Sink Port responds with a <i>Request</i> Message setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <i>Specification Revision</i> received from the Source Port.</b></li> <li>3. <b>The Source and Sink Ports <b>Shall</b> use the <i>Specification Revision</i> in the <i>Request</i> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</b></li> </ol>
--	--

## EXHIBIT 2

#### 6.4.1.3 Sink Capabilities Message

A Sink Port **Shall** report power levels it is able to operate at in a series of 32-bit Power Data Objects (see Table 6-7). These are returned as part of a **Sink\_Capabilities** Message in response to a **Get\_Sink\_Cap** Message (see Figure 6-12). This is similar to that used for Source Port capabilities with equivalent Power Data Objects for Fixed, Variable and Battery Supplies as defined in this section. Power Data Objects are used to convey the Sink Port's operational power requirements including Dual-Role Power Ports presently operating as a Source.

Each Power Data Object **Shall** describe a specific Sink operational power level, such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V). The **Number of Data Objects** field in the Message Header **Shall** define the number of Power Data Objects that follow the Message Header in a Data Message.

All Sinks **Shall** minimally offer one Power Data Object with a power level at which the Sink can operate. A Sink **Shall Not** offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but **Shall** instead offer one Power Data Object with the highest available current for that Sink capability and voltage.

All Sinks **Shall** include one Power Data Object that reports **vSafe5V** even if they require additional power to operate fully. In the case where additional power is required for full operation the Higher Capability bit **Shall** be set.

## EXHIBIT 2

	<p><b>2.6.2 <u>Sink Operation</u></b></p> <ul style="list-style-type: none"> <li>• At Attach (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ Sink detects Source Attachment through the presence of <i>vSafe5V</i>.</li> <li>◦ For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.</li> <li>◦ <u>Once the Sink detects the presence of <i>vSafe5V</i> on <math>V_{BUS}</math> it waits for a <i>Source Capabilities</i> Message indicating the presence of a PD capable Source.</u></li> <li>◦ If the Sink does not receive a <i>Source Capabilities</i> Message within <i>tTypeCSinkWaitCap</i> then it issues <i>Hard Reset</i> Signaling in order to cause the Source Port to send a <i>Source Capabilities</i> Message if the Source Port is PD capable.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and does not recognize them.</li> </ul> </li> <li>• Establishing PD Connection (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ The Sink receives a <i>Source Capabilities</i> Message and responds with a <i>GoodCRC</i> Message.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> <li>• Establishing Explicit Contract (PD Connection but no Explicit Contract or Implicit Contract after a Power Role Swap or Fast Role Swap): <ul style="list-style-type: none"> <li>◦ <u>The Sink receives a <i>Source Capabilities</i> Message from the Source and responds with a <i>Request</i> Message. If this is a <i>Valid</i> request the Sink receives an <i>Accept</i> Message followed by a <i>PS RDY</i> Message when the Source's power supply is ready to source power at the agreed level.</u> At this point the Source and Sink have entered into an Explicit Contract: <ul style="list-style-type: none"> <li>▪ The Sink Port may request one of the capabilities offered by the Source, even if this is the <i>vSafe5V</i> output offered by <i>[USB 2.0]</i>, <i>[USB 3.2]</i>, <i>[USB Type-C 2.0]</i> or <i>[USBBC 1.2]</i>, in order to enable future power negotiation: <ul style="list-style-type: none"> <li>◆ A Sink not requesting any capability with a <i>Request</i> Message results in an error.</li> </ul> </li> <li>▪ A Sink unable to fully operate at the offered capabilities requests the default capability but indicates that it would prefer another power level and provide a physical indication of the failure to the end user (e.g. using an LED).</li> <li>▪ A Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> </ul> </li> </ul> <p><i>Source: USB PD 3.0 specification.PDF</i></p>
--	---

## EXHIBIT 2

generate, using the converter, the power from the energy received from the charger;

The accused product practices generating, using the converter (e.g., converting power from USB to battery charging), the power from the energy received from the charger (e.g., USB PD charger).

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

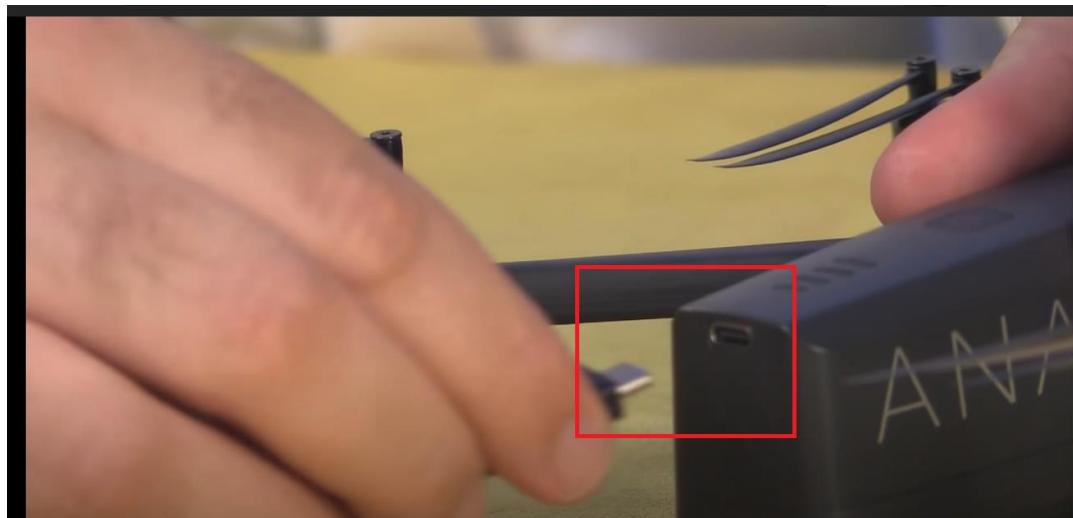
#### 6.3.4 Smart charging

ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.

Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.

Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>



<https://www.youtube.com/watch?v=xR-LghIgTBk>

EXHIBIT 2



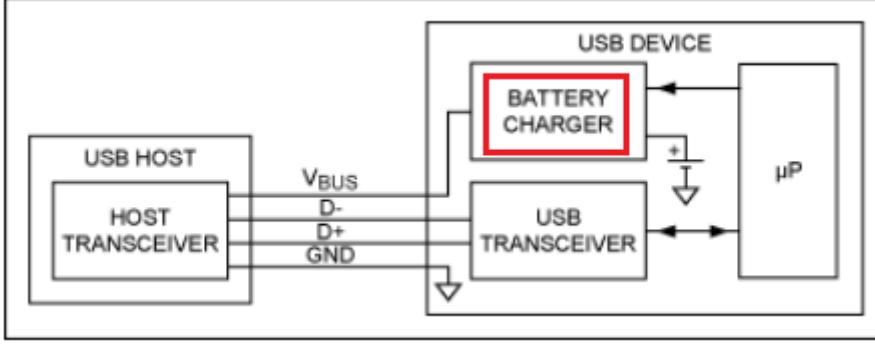
*Source: Parrot ANAFI external image*

Smart charging

ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an USB-PD 3.0 charger (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.

[https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3\\_en.pdf](https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf)

## EXHIBIT 2

	 <p><a href="https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#">https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#</a></p>
<p>charge the battery using the power received from the converter; and use the battery to power the electronic circuitry.</p>	<p>The accused product practices charging the battery (e.g., battery of the accused product) using the power received from the converter (e.g., converting power from USB to battery charging) and using the battery to power the electronic circuitry (e.g., camera, display, etc. of the accused product).</p>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

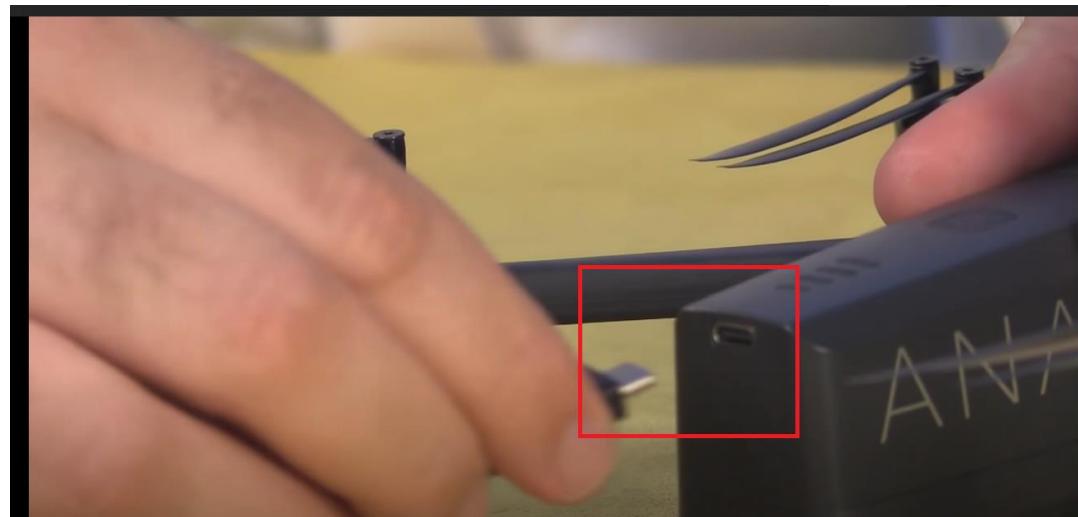
#### 6.3.4 Smart charging

ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.

Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.

Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>



<https://www.youtube.com/watch?v=xR-LghIgTBk>

EXHIBIT 2



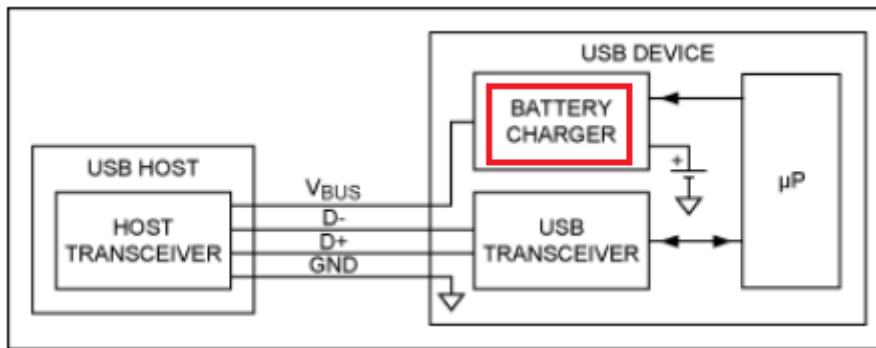
*Source: Parrot ANAFI external image*

Smart charging

ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an USB-PD 3.0 charger (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.

[https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3\\_en.pdf](https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf)

EXHIBIT 2



<https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#>

As shown below, the accused product comprises a rechargeable battery.

## Nomad

With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).

<https://www.parrot.com/en/drones/anafi>

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
--	--

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<ul style="list-style-type: none"><li>• Video resolution:<ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul></li><li>• Video HFOV: 69°</li><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul>
		<b>IMAGE STABILIZATION</b> • 5-axis hybrid image stabilization

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

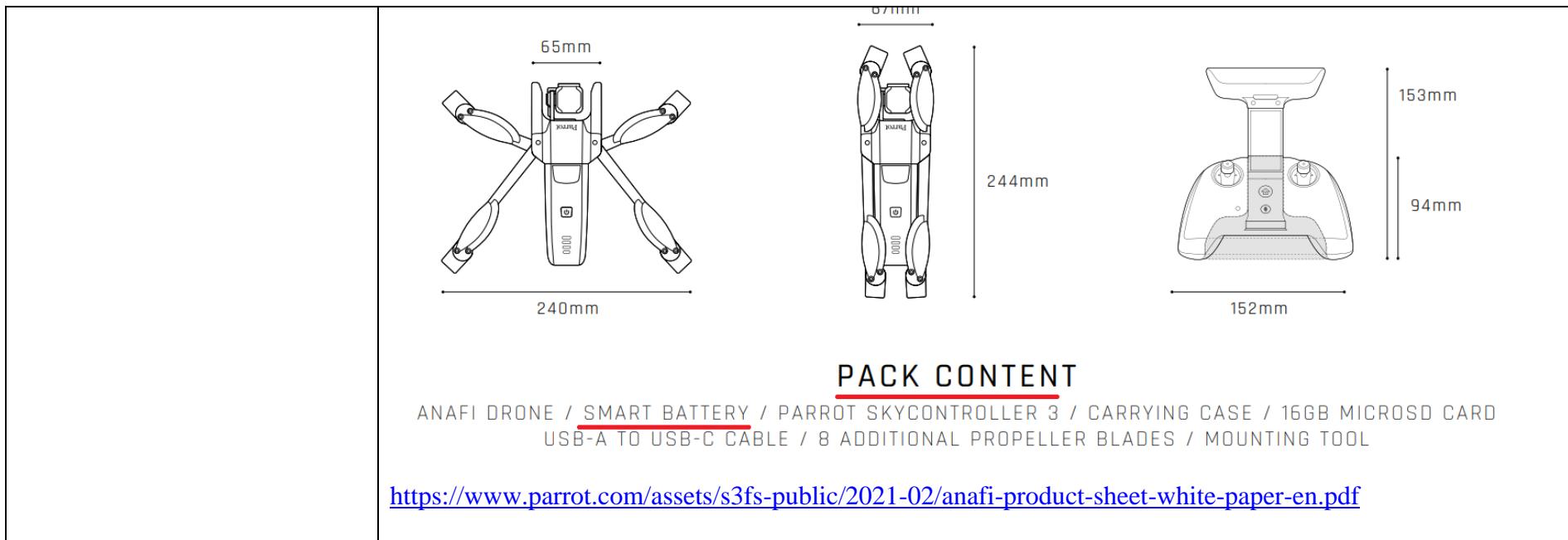


EXHIBIT 2

## 6 BATTERY

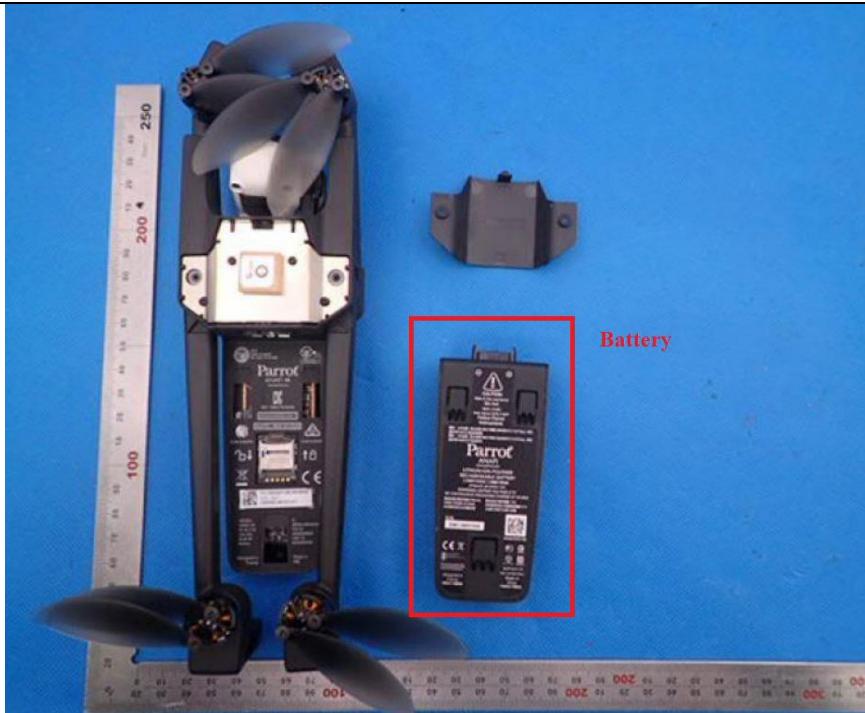
ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

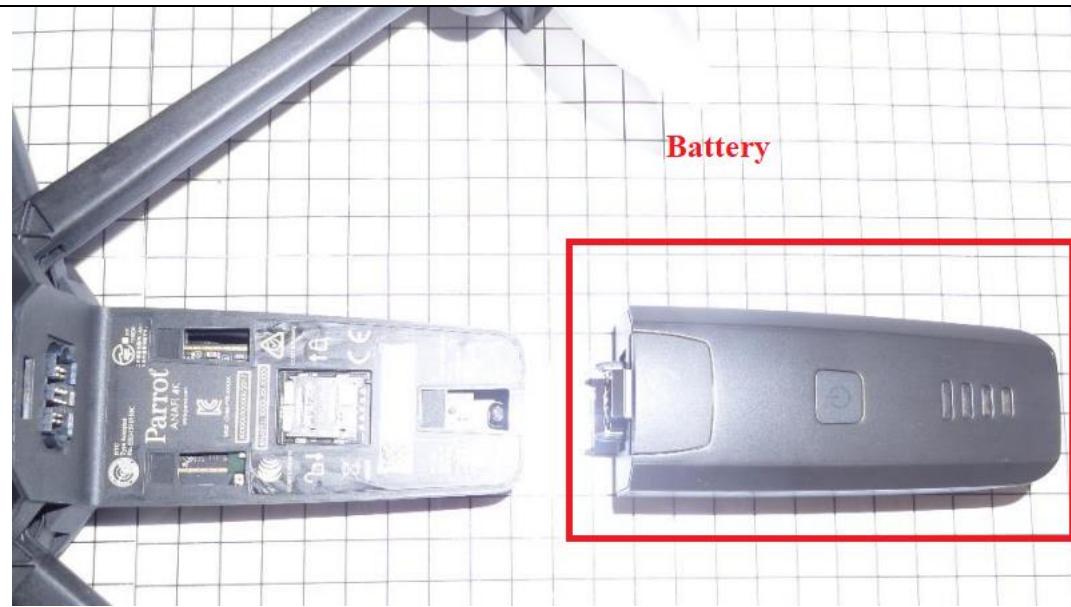
<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2



*Source: Parrot ANAFI internal image*

EXHIBIT 2



*Source: Parrot ANAFI internal image*

As shown below, the accused product comprises Camera, motors, etc. which are powered by the battery of the accused product.

EXHIBIT 2

Parrot

ANAFI AI ANAFI USA Software Platform Company Trusted Drones Support

ANAFI

Watch video

Download technical documentation



<https://www.parrot.com/en/drones/anafi>

Home > Drones > **ANAFI**

## Camera module

Stabilised on 5 axes (2 mechanical axes and 3 electronic axes), the Sony optical sensor built into ANAFI allows clear images to be taken, despite the vibrations associated with drone flights. The x3 zoom and the 180° tilt of the camera provide a detailed view of the observed target.

## Compact

Foldable, light and easily deployable, ANAFI can be set up in just a few seconds.

### Features

Folded dimensions: 224x67x65 mm  
Unfolded dimensions: 175x240x65 mm  
Weight: 320g

## EXHIBIT 2

	<p><b>1.2 Aerodynamics</b></p> <p>1.2.1 Key characteristics</p> <ul style="list-style-type: none"> <li>• ANAFI's powerful motors (60 W) have a 71 % yield (Pmech/Pelec efficiency) while stationary. They have been designed to get the best out of the propellers over the full flight range.</li> <li>• Weight/autonomy ratio: the 25-minute flight time, light weight structure (320 g) and the high yield of its conversion chain allows ANAFI to fly fast (54 km/h) and far (14 km)</li> <li>• Wind resistance: 50 km/h</li> <li>• Wind gust resistance: 80 km/h</li> <li>• Discreet: ANAFI is a lot quieter [65.5 dB (A) at 1 m] than any other comparable drone.</li> </ul> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p>
11. A method of charging a battery-operated device including a battery, an electronic circuitry configured to be powered by the battery, and a converter configured to receive energy from any of a plurality of authorized chargers, and generate power from the energy for charging the battery using the power, the method comprising:	The accused product practices method of charging a battery-operated device (e.g., the accused product) including a battery, an electronic circuitry (e.g., circuitry for camera, display, etc.) configured to be powered by the battery, and a converter (e.g., converting power from USB to battery charging) configured to receive energy (e.g., power from USB) configured to receive energy from any of a plurality of authorized chargers (e.g., a plurality of chargers compliant with USB PD 2.0 and USB PD 3.0 standards), and generate power from the energy for charging the battery (e.g., battery of the accused product) using the power.

## EXHIBIT 2

Parrot

ANAFI AI ANAFI USA Software Platform Company Trusted Drones Support

ANAFI

Watch video

Download technical documentation



Home > Drones > **ANAFI**

**Camera module**

Stabilised on 5 axes (2 mechanical axes and 3 electronic axes), the Sony optical sensor built into ANAFI allows clear images to be taken, despite the vibrations associated with drone flights. The x3 zoom and the 180° tilt of the camera provide a detailed view of the observed target.

**Compact**

Foldable, light and easily deployable, ANAFI can be set up in just a few seconds.

Features

Folded dimensions: 224x67x65 mm  
Unfolded dimensions: 175x240x65 mm  
Weight: 320g

<https://www.parrot.com/en/drones/anafi>

## Nomad

With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).

<https://www.parrot.com/en/drones/anafi>

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
--	--

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<ul style="list-style-type: none"><li>• Video resolution:<ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul></li><li>• Video HFOV: 69°</li><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul>
		<b>IMAGE STABILIZATION</b> • 5-axis hybrid image stabilization

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

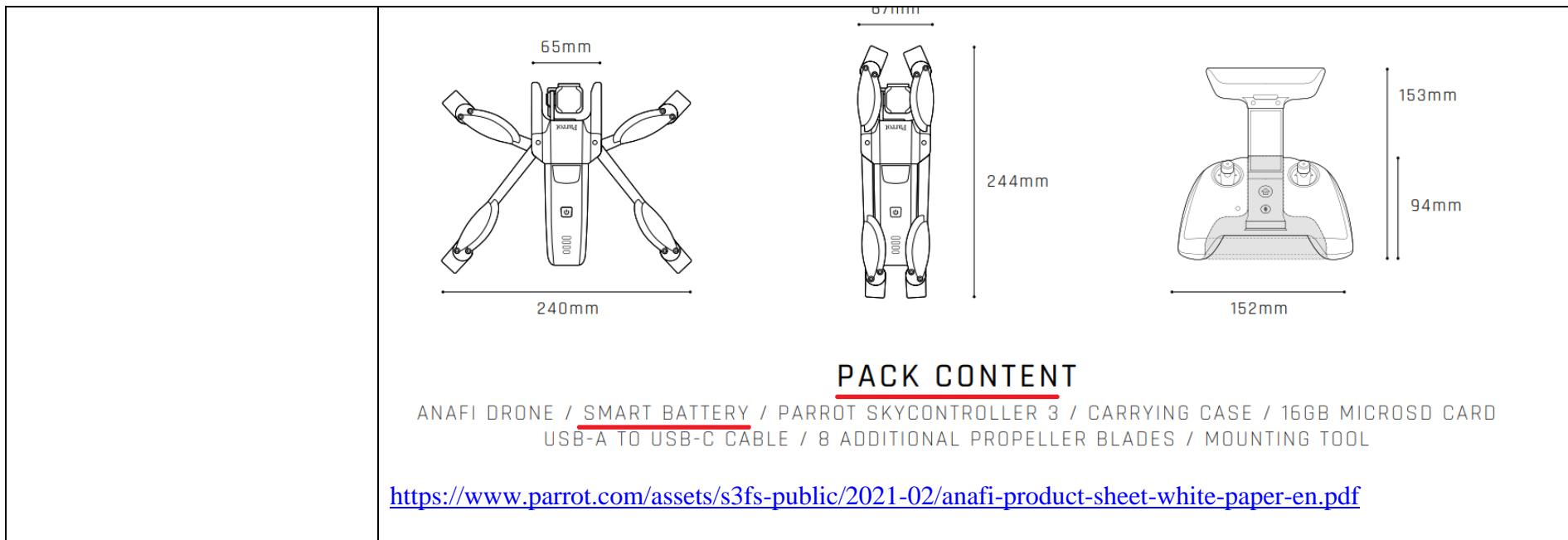


EXHIBIT 2

## 6 BATTERY

ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

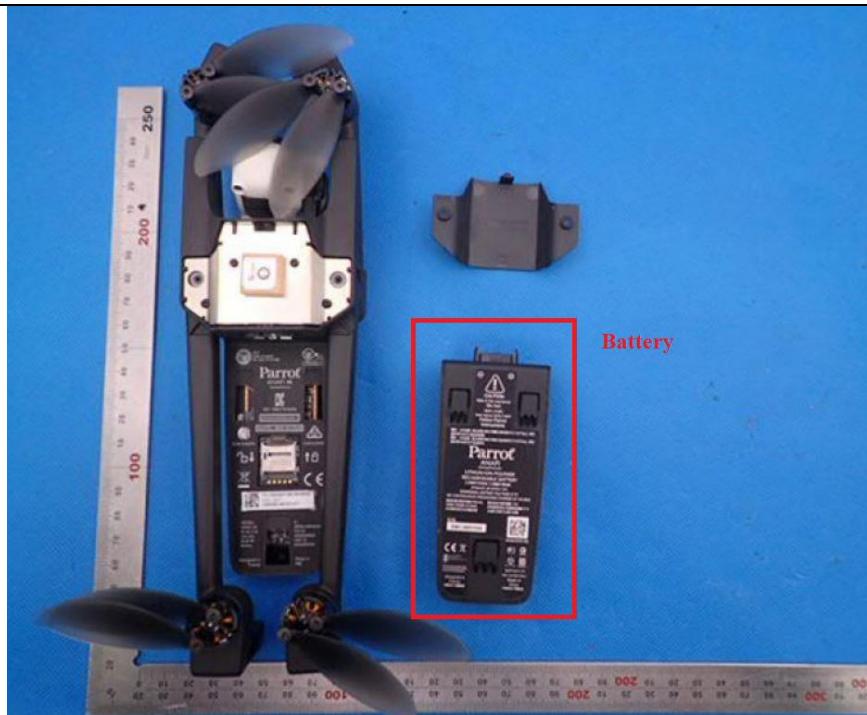
Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<p><u>6.3.4 Smart charging</u></p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a <u>USB 3.0 Power Delivery adapter</u> delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><u>Smart charging</u></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p>
--	--

EXHIBIT 2



*Source: Parrot ANAFI internal image*

EXHIBIT 2

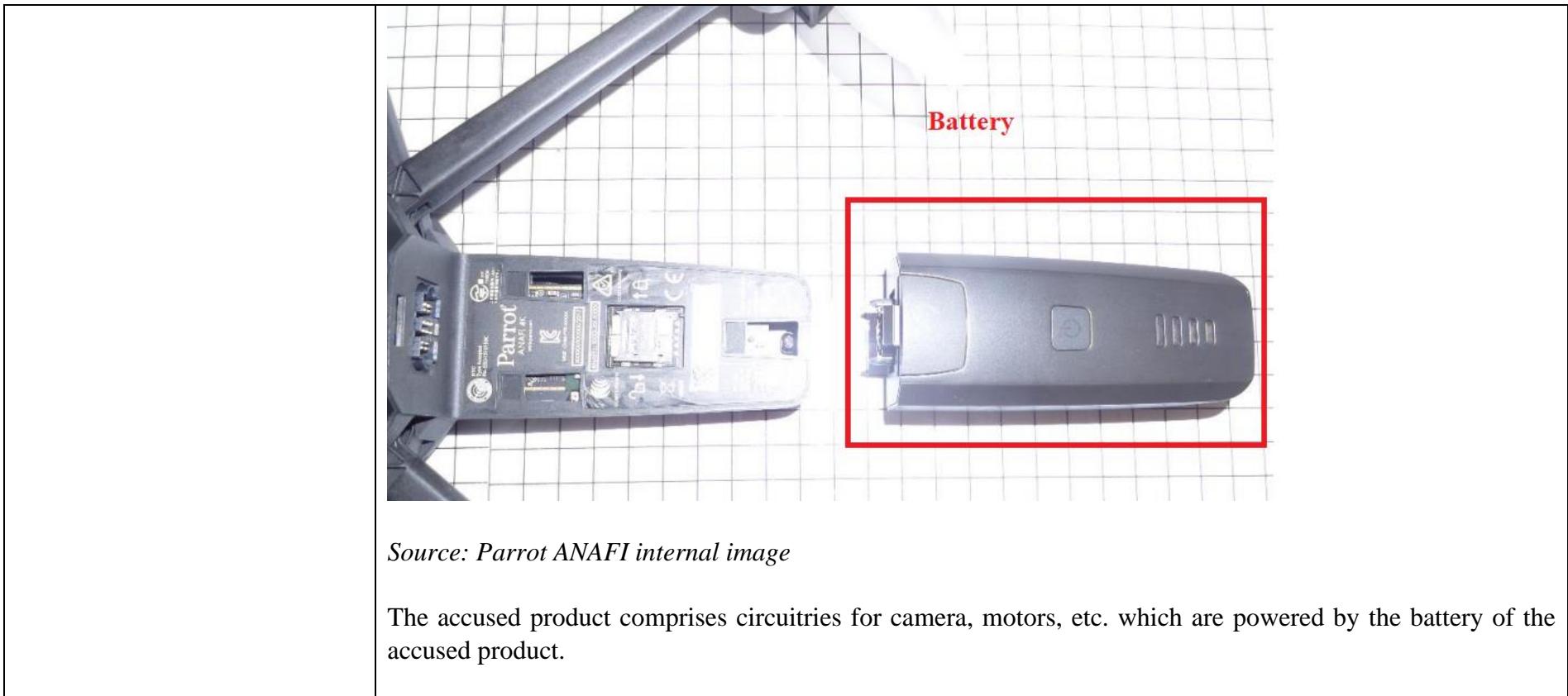


EXHIBIT 2

Parrot

ANAFI AI ANAFI USA Software Platform Company Trusted Drones Support

ANAFI

Watch video

Download technical documentation



<https://www.parrot.com/en/drones/anafi>

Home > Drones > **ANAFI**

## Camera module

Stabilised on 5 axes (2 mechanical axes and 3 electronic axes), the Sony optical sensor built into ANAFI allows clear images to be taken, despite the vibrations associated with drone flights. The x3 zoom and the 180° tilt of the camera provide a detailed view of the observed target.

## Compact

Foldable, light and easily deployable, ANAFI can be set up in just a few seconds.

### Features

Folded dimensions: 224x67x65 mm  
Unfolded dimensions: 175x240x65 mm  
Weight: 320g

## EXHIBIT 2

	<h2>1.2 Aerodynamics</h2> <h3>1.2.1 Key characteristics</h3> <ul style="list-style-type: none"><li>• <u>ANAFI's powerful motors (60 W)</u> have a 71 % yield (Pmech/Pelec efficiency) while stationary. They have been designed to get the best out of the propellers over the full flight range.</li><li>• Weight/autonomy ratio: the 25-minute flight time, light weight structure (320 g) and the high yield of its conversion chain allows ANAFI to fly fast (54 km/h) and far (14 km)</li><li>• Wind resistance: 50 km/h</li><li>• Wind gust resistance: 80 km/h</li><li>• Discreet: ANAFI is a lot quieter [65.5 dB (A) at 1 m] than any other comparable drone.</li></ul> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p>The accused product charges its battery in compliance with USB PD 3.0 charging standard. The USB PD 3.0 standard provides the same output power support as the USB PD 2.0 and in addition provides programmable power supply (PPS) and is backward compatible with USB PD 2.0 for charging the battery.</p>
--	--

## EXHIBIT 2

	<p>6.3.4 Smart charging</p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p>6.3.5 USB-C Interface</p> <p>The battery's USB-C port allows for external charging of a device such as a 4G USB key; a CO2 sensor; any other compatible device connected through USB.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><u>Smart charging</u></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p>
--	---

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

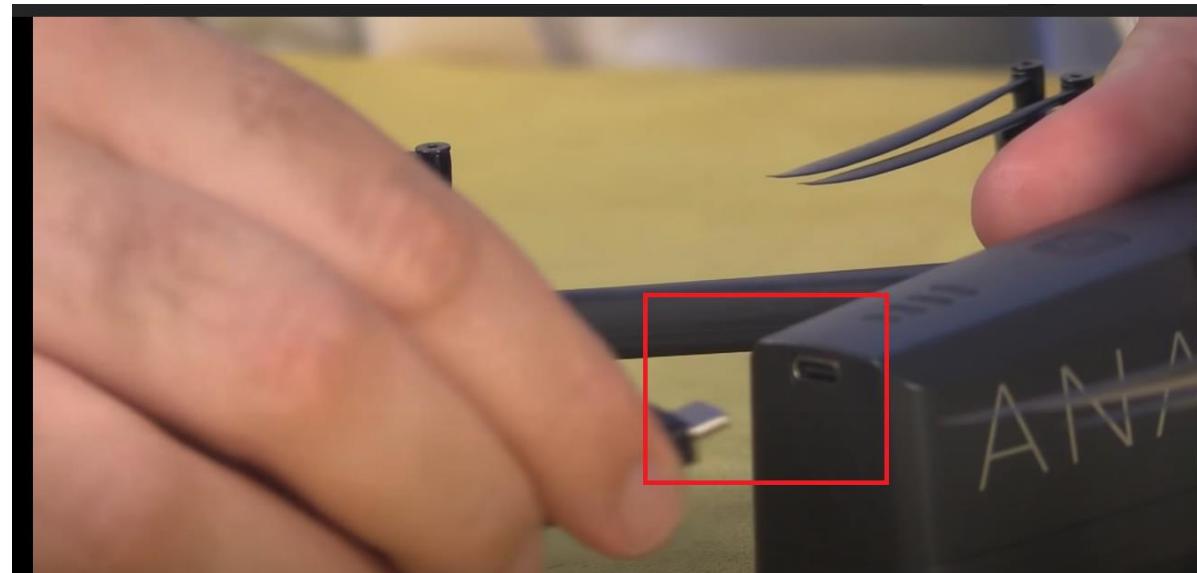
<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

Version	USB	USB	USB PD 2.0	USB PD 3.0	USB PD 3.0 PPS	USB PD 3.1
	BC	PD				
	1.2	1.0				
Release date	2010	2012	2014	2015	2017	2021
USB type	USB Type-A	USB Type-A, USB Type-B	USB Type-C	USB Type-C	USB Type-C	USB Type-C
Output support	5V1, 5A		5V 3A, 9V 3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	5V 3A, 9V 3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	5V 3A, 9V 3A, 15V 3A, 20V 3A, 20V 5A	5V 3A, 9V 3A, 15V 3A, 20V 3A, 20V 5A
			3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	3A, 15V 3A, 20V 2.25A, 20V 3A, 20V 5A	3A, 20V 3A, 20V 5A	3A, 20V 5A
			20V 2.25A, 20V 3A, 20V 5A	20V 2.25A, 20V 3A, 20V 5A	2.25A, 20V 3A, 20V 5A	PPS: 3.3V-5.9V 3A, 3.3-11V 3A, 3.3-16V 3A, 3.3-21V 3A, 3.3-21V 5A
					PPS: 3.3V-5.9V 3A, 3.3-11V 3A, 3.3-16V 3A, 3.3-21V 3A, 3.3-21V 5A	3A, 3.3-11V 3A, 3.3-16V 3A, 3.3-21V 3A, 3.3-21V 5A
						AVS: 15-28V 5A, 15-36V 5A, 15-48V 5A

<https://www.thephonetalks.com/usb-pd-2-0-vs-3-0-vs-3-1/>

EXHIBIT 2



<https://www.youtube.com/watch?v=xR-LghIgTBk>

EXHIBIT 2



*Source: Parrot ANAFI external image*

## EXHIBIT 2

## 6 BATTERY

ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

#### 6.3.4 Smart charging

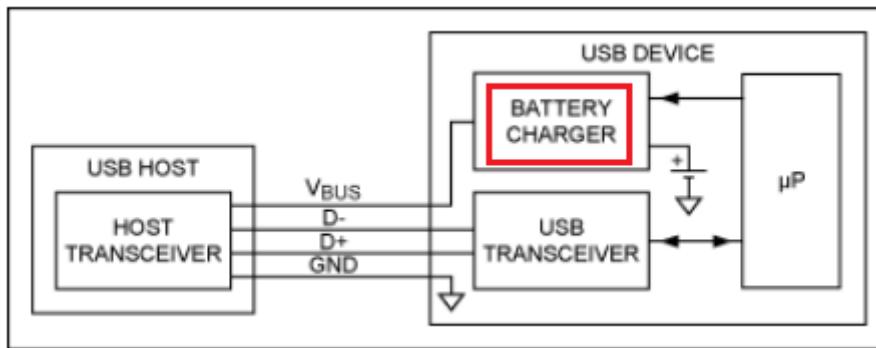
ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.

Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.

Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2



<https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#>

### 2.3 Compatibility with Revision 2.0

Revision 3.0 of the USB Power Delivery specification is designed to be fully interoperable with [USBPD 2.0] systems using BMC signaling over the [USB Type-C 2.0] connector and to be compatible with Revision 2.0 hardware.

This specification mandates that all Revision 3.0 systems fully support Revision 2.0 operation. They must discover the supported Revision used by their Port Partner and any connected Cable Plugs and revert to operation using the lowest common Revision number (see Section 6.2.1.1.5).

This specification defines Extended Messages containing data of up to 260 bytes (see Section 6.2.1.2). These Messages will be larger than expected by existing PHY HW. To accommodate Revision 2.0 based systems a Chunking mechanism is mandated such that Messages are limited to Revision 2.0 sizes unless it is discovered that both systems support the longer Message lengths.

*Source: USB PD 3.0 specification.PDF*

The accused product receives energy from a charger (e.g., an authorized charger complying with USB PD 2.0 or USB PD 3.0) which provides messages according to USB PD standards to indicate its charging capabilities and specification revision value. After selection of the common specification revision level and negotiation of power requirements, it generates power for charging the battery from the received energy.

## EXHIBIT 2

	<p>6.2.1.1.5 Specification Revision</p> <p>The <i>Specification Revision</i> field <b>Shall</b> be one of the following values (except 11b):</p> <ul style="list-style-type: none"> <li>• 00b – Revision 1.0</li> <li>• 01b – Revision 2.0</li> <li>• 10b – Revision 3.0</li> <li>• 11b – <b>Reserved</b>, <b>Shall Not</b> be used</li> </ul> <p>To ensure interoperability with existing USBPD Products, USBPD Products <b>Shall</b> support every PD Specification Revision starting from <b>[USBPD 2.0]</b> for <b>SOP*</b>; the only exception to this is a VPD which <b>Shall Ignore</b> Messages sent with PD Specification Revision 2.0 and earlier.</p> <p>After a physical or logical (USB Type-C® Error Recovery) Attach, a Port discovers the common Specification Revision level between itself and its Port Partner and/or the Cable Plug(s), and uses this Specification Revision level until a Detach, Hard Reset or Error Recovery happens.</p> <p>After detection of the Specification Revision to be used, all PD communications <b>Shall</b> comply completely with the relevant revision of the PD specification.</p> <p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p>When the Source Port first communicates with the Sink Port the <i>Specification Revision</i> field <b>Shall</b> be used as described by the following steps:</p> <ol style="list-style-type: none"> <li>1. The Source Port sends a <i>Source Capabilities</i> Message to the Sink Port setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Source Port supports.</li> <li>2. The Sink Port responds with a <i>Request</i> Message setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <i>Specification Revision</i> received from the Source Port.</li> <li>3. The Source and Sink Ports <b>Shall</b> use the <i>Specification Revision</i> in the <i>Request</i> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</li> </ol>
--	---

## EXHIBIT 2

<u>Table 6-1 Message Header</u>			
Bit(s)	Start of Packet	Field Name	Reference
15	SOP*	<i>Extended</i>	Section 6.2.1.1.1
14...12	SOP*	<i>Number of Data Objects</i>	Section 6.2.1.1.2
11...9	SOP*	<i>MessageID</i>	Section 6.2.1.1.3
8	SOP only	<i>Port Power Role</i>	Section 6.2.1.1.4
	SOP'/SOP''	<i>Cable Plug</i>	Section 6.2.1.1.7
7...6	SOP*	<i>Specification Revision</i>	Section 6.2.1.1.5
5	SOP only	<i>Port Data Role</i>	Section 6.2.1.1.6
	SOP'/SOP''	<i>Reserved</i>	Section 1.4.2.10
4...0	SOP*	<i>Message Type</i>	Section 6.2.1.1.8

**2.6.2 Sink Operation**

- At Attach (no PD Connection or Contract):
  - Sink detects Source Attachment through the presence of *vSafe5V*.
  - For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.
  - Once the Sink detects the presence of *vSafe5V* on  $V_{BUS}$  it waits for a *Source\_Capabilities* Message indicating the presence of a PD capable Source.
  - If the Sink does not receive a *Source\_Capabilities* Message within *tTypeCSinkWaitCap* then it issues *Hard Reset* Signaling in order to cause the Source Port to send a *Source\_Capabilities* Message if the Source Port is PD capable.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and does not recognize them.
- Establishing PD Connection (no PD Connection or Contract):
  - The Sink receives a *Source\_Capabilities* Message and responds with a *GoodCRC* Message.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and *Discards* them.

## EXHIBIT 2

	<p><b>6.4.1.2      <i>Source_Capabilities</i> Message</b></p> <p>A Source Port <b>Shall</b> report its capabilities in a series of 32-bit Power Data Objects (see Table 6-7) as part of a <b>Source_Capabilities</b> Message (see Figure 6-12). Power Data Objects are used to convey a Source Port's capabilities to provide power including Dual-Role Power ports presently operating as a Sink.</p> <p>Each Power Data Object <b>Shall</b> describe a specific Source capability such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V) at a maximum allowable current. The <b>Number of Data Objects</b> field in the Message Header <b>Shall</b> define the number of Power Data Objects that follow the Message Header in a Data Message. All Sources <b>Shall</b> minimally offer one Power Data Object that reports <b>vSafe5V</b>. A Source <b>Shall Not</b> offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but <b>Shall</b> instead offer one Power Data Object with the highest available current for that Source capability and voltage.</p> <p>Sinks with Accessory Support do not source V<sub>BUS</sub> (see <b>[USB Type-C 2.0]</b>). Sinks with Accessory Support are still considered Sources when sourcing VCONN to an Accessory even though V<sub>BUS</sub> is not applied; in this case they <b>Shall</b> advertise <b>vSafe5V</b> with the Maximum Current set to 0mA in the first Power Data Object. The main purpose of this is to enable the Sink with Accessory Support to get into the <b>PE_SRC_Ready</b> State in order to enter an Alternate Mode.</p> <p>A Sink <b>Shall</b> evaluate every <b>Source_Capabilities</b> Message it receives and <b>Shall</b> respond with a <b>Request</b> Message. If its power consumption exceeds the Source's capabilities it <b>Shall</b> re-negotiate so as not to exceed the Source's most recently advertised capabilities.</p> <p>A Sink that evaluates the <b>Source_Capabilities</b> Message it receives and identifies a PPS APDO <b>Shall</b> periodically re-request the PPS APDO at least every <b>tPPSRequest</b> until either:</p>
--	---

## EXHIBIT 2

### 6.4.1 Capabilities Message

A Capabilities Message (*Source Capabilities* Message or *Sink Capabilities* Message) **Shall** have at least one Power Data Object for *vSafe5V*. The Capabilities Message **Shall** also contain the sending Port's information followed by up to 6 additional Power Data Objects. Power Data Objects in a Capabilities Message **Shall** be sent in the following order:

1. The *vSafe5V* Fixed Supply Object **Shall** always be the first object.
2. The remaining Fixed Supply Objects, if present, **Shall** be sent in voltage order; lowest to highest.
3. The Battery Supply Objects, if present **Shall** be sent in Minimum Voltage order; lowest to highest.
4. The Variable Supply (non-Battery) Objects, if present, **Shall** be sent in Minimum Voltage order; lowest to highest.
5. The Programmable Power Supply Objects, if present, **Shall** be sent in Maximum Voltage order, lowest to highest.

Figure 6-12 Example Capabilities Message with 2 Power Data Objects

Header	Object1	Object2
No. of Data Objects = 2		

In Figure 6-12, the *Number of Data Objects* field is 2: *vSafe5V* plus one other voltage.

Power Data Objects (PDO) and Augmented Power Data Objects (APDO) are identified by the Message Header's Type field. They are used to form *Source Capabilities* Messages and *Sink Capabilities* Messages.

## EXHIBIT 2

	<p>Sources expose their power capabilities by sending a <b>Source Capabilities</b> Message. Sinks expose their power requirements by sending a <b>Sink Capabilities</b> Message. Both are composed of a number of 32-bit Power Data Objects (see Table 6-7).</p> <p style="text-align: center;"><b>Table 6-7 Power Data Object</b></p> <table border="1" data-bbox="736 350 1792 568"> <thead> <tr> <th>Bit(s)</th><th colspan="2">Description</th></tr> <tr> <th>B31...30</th><th>Value</th><th>Parameter</th></tr> </thead> <tbody> <tr> <td></td><td>00b</td><td>Fixed supply (Vmin = Vmax)</td></tr> <tr> <td></td><td>01b</td><td>Battery</td></tr> <tr> <td></td><td>10b</td><td>Variable Supply (non-Battery)</td></tr> <tr> <td></td><td>11b</td><td>Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...0</td><td colspan="2">Specific Power Capabilities are described by the PDOs in the following sections.</td></tr> </tbody> </table> <p>The Augmented Power Data Object (APDO) is defined to allow support for more than the four PDO types by extending the Power Data Object field from 2 to 4 bits when the B31...B30 are 11b. The generic APDO structure is shown in Table 6-8.</p> <p style="text-align: center;"><b>Table 6-8 Augmented Power Data Object</b></p> <table border="1" data-bbox="736 732 1792 886"> <thead> <tr> <th>Bit(s)</th><th colspan="2">Description</th></tr> <tr> <th>B31...30</th><td colspan="2">11b - Augmented Power Data Object (APDO)</td></tr> </thead> <tbody> <tr> <th>B29...28</th><td>00b - Programmable Power Supply</td><td>01b-11b - <b>Reserved</b></td></tr> <tr> <td>B27...0</td><td colspan="2">Specific Power Capabilities are described by the APDOs in the following sections.</td></tr> </tbody> </table> <p><i>Source: USB PD 3.0 specification.PDF</i></p>	Bit(s)	Description		B31...30	Value	Parameter		00b	Fixed supply (Vmin = Vmax)		01b	Battery		10b	Variable Supply (non-Battery)		11b	Augmented Power Data Object (APDO)	B29...0	Specific Power Capabilities are described by the PDOs in the following sections.		Bit(s)	Description		B31...30	11b - Augmented Power Data Object (APDO)		B29...28	00b - Programmable Power Supply	01b-11b - <b>Reserved</b>	B27...0	Specific Power Capabilities are described by the APDOs in the following sections.	
Bit(s)	Description																																	
B31...30	Value	Parameter																																
	00b	Fixed supply (Vmin = Vmax)																																
	01b	Battery																																
	10b	Variable Supply (non-Battery)																																
	11b	Augmented Power Data Object (APDO)																																
B29...0	Specific Power Capabilities are described by the PDOs in the following sections.																																	
Bit(s)	Description																																	
B31...30	11b - Augmented Power Data Object (APDO)																																	
B29...28	00b - Programmable Power Supply	01b-11b - <b>Reserved</b>																																
B27...0	Specific Power Capabilities are described by the APDOs in the following sections.																																	
<p>receiving a charger identification from a charger;</p> <p><b>Excerpt from US'246 [13:5-15]:</b></p> <p><i>C. Power Transfer only from Authorized Masters</i></p>	<p>The accused product practices receiving a charger identification (e.g., information related to capabilities of a charger as well as specification revision value supported by the charger as indicated in the Source_Capabilities Message) from a charger.</p>																																	

## EXHIBIT 2

<p><i>A slave prevents non-authorized masters from trying to charge it or power it up (or networked servers from commanding masters to charge it or power it up) in some embodiments. Slaves store identifying information about masters (or networked servers) that are authorized to charge them. The stored information about authorized masters or networked servers includes one or more of the following information about the masters: the masters' media access control address (MAC ID), network IP address, name, serial number, product name and manufacturer, capabilities, etc.</i></p>	<h2>Nomad</h2> <p>With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).</p> <p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p>
--	--

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
--	--

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).

USB-C on-the-go charging system (Compatible with Powerbanks).

Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



FAST & EASY  
TO UNFOLD



ULTRA  
COMPACT



FOLDABLE  
CONTROLLER



USB-C ON-THE-GO  
CHARGING SYSTEM

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

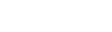
	<ul style="list-style-type: none"><li>Operating temperature range: -10°C to 40°C</li><li>Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>Type: High density Lipo (2 cells)</li><li>Battery capacity: 2700mAh</li><li>Battery life: 25min</li><li>Charging port: USB-C</li><li>Weight: 126g</li><li>Voltage: 7.6V</li><li>Max charging power: 24W</li></ul></div> <div style="margin-top: 20px;"><b>CONTROLLER</b><ul style="list-style-type: none"><li>Size folded: 94x152x72mm</li><li>Size unfolded: 150x152x115mm</li></ul></div>	<ul style="list-style-type: none"><li>Video resolution:<ul style="list-style-type: none"><li>4K Cinema 4096x2160 24fps</li><li>4K UHD 3840x2160 24/25/30fps</li><li>FHD 1920x1080 24/25/30/48/50/60fps</li></ul></li><li>Video HFOV: 69°</li><li>Max video bitrate: 100 Mbps</li><li>Video format: MP4 (H264)</li><li>Digital zoom:<ul style="list-style-type: none"><li>Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>Photo resolution:<ul style="list-style-type: none"><li>Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>Photo formats: JPEG, DNG (RAW)</li><li>HDR: 4K UHD video</li></ul>
		<b>IMAGE STABILIZATION</b>                              <img alt="Image stabilization logo" data-bbox="635 6815 685 6

EXHIBIT 2

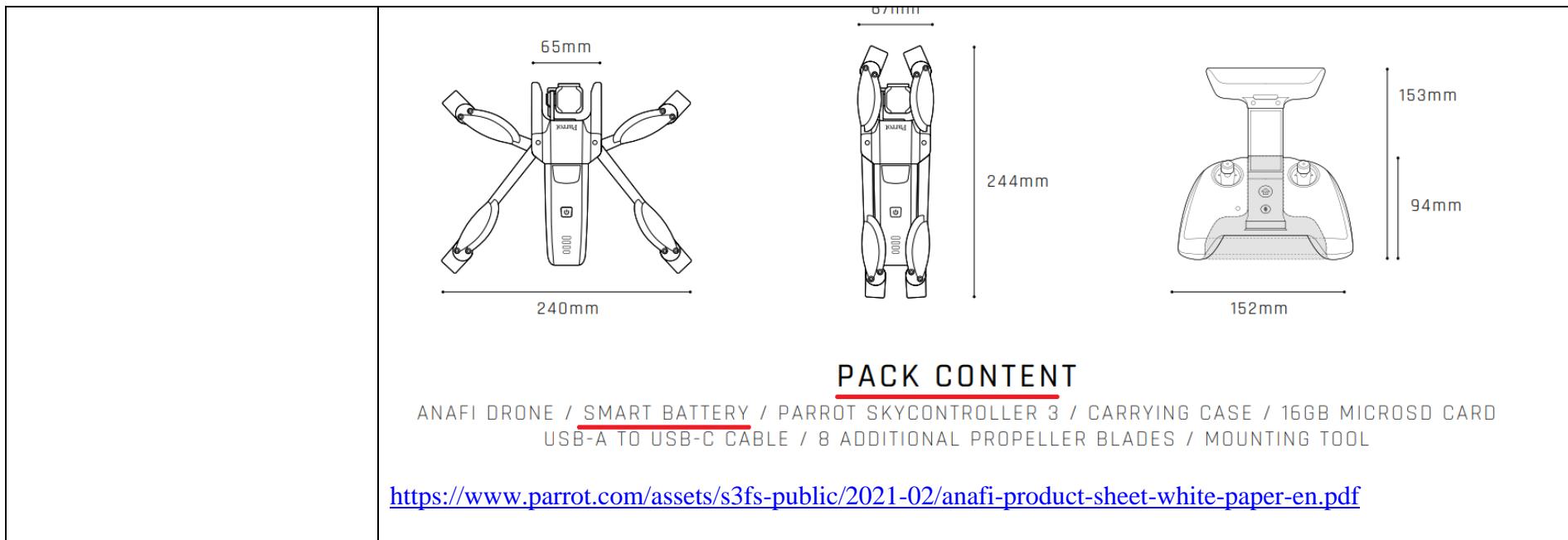


EXHIBIT 2

## 6 BATTERY

ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<p><b>6.3.4 Smart charging</b></p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a <u>USB 3.0 Power Delivery adapter</u> delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><b>Smart charging</b></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with <u>USB Power Delivery (PD) 3.0</u> protocol. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p> <p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p><b>When the Source Port first communicates with the Sink Port the <i>Specification Revision</i> field <b>Shall</b> be used as described by the following steps:</b></p> <ol style="list-style-type: none"> <li>1. The Source Port sends a <b>Source Capabilities</b> Message to the Sink Port setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Source Port supports.</li> <li>2. The Sink Port responds with a <b>Request</b> Message setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <b>Specification Revision</b> received from the Source Port.</li> <li>3. The Source and Sink Ports <b>Shall</b> use the <b>Specification Revision</b> in the <b>Request</b> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</li> </ol>
--	---

## EXHIBIT 2

Table 6-1 Message Header			
Bit(s)	Start of Packet	Field Name	Reference
15	SOP*	<i>Extended</i>	Section 6.2.1.1.1
14...12	SOP*	<i>Number of Data Objects</i>	Section 6.2.1.1.2
11...9	SOP*	<i>MessageID</i>	Section 6.2.1.1.3
8	SOP only	<i>Port Power Role</i>	Section 6.2.1.1.4
	SOP'/SOP''	<i>Cable Plug</i>	Section 6.2.1.1.7
7...6	SOP*	<i>Specification Revision</i>	Section 6.2.1.1.5
5	SOP only	<i>Port Data Role</i>	Section 6.2.1.1.6
	SOP'/SOP''	<i>Reserved</i>	Section 1.4.2.10
4...0	SOP*	<i>Message Type</i>	Section 6.2.1.1.8

**2.6.2 Sink Operation**

- At Attach (no PD Connection or Contract):
  - Sink detects Source Attachment through the presence of *vSafe5V*.
  - For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.
  - Once the Sink detects the presence of *vSafe5V* on *V<sub>BUS</sub>* it waits for a *Source\_Capabilities* Message indicating the presence of a PD capable Source.
  - If the Sink does not receive a *Source\_Capabilities* Message within *tTypeCSinkWaitCap* then it issues *Hard Reset* Signaling in order to cause the Source Port to send a *Source\_Capabilities* Message if the Source Port is PD capable.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and does not recognize them.
- Establishing PD Connection (no PD Connection or Contract):
  - The Sink receives a *Source\_Capabilities* Message and responds with a *GoodCRC* Message.
  - The Sink does not generate SOP' or SOP'' Packets, is not required to detect SOP' or SOP'' Packets and *Discards* them.

## EXHIBIT 2

	<p><b>6.4.1.2      <i>Source_Capabilities</i> Message</b></p> <p>A Source Port <b>Shall</b> report its capabilities in a series of 32-bit Power Data Objects (see Table 6-7) as part of a <b>Source_Capabilities</b> Message (see Figure 6-12). Power Data Objects are used to convey a Source Port's capabilities to provide power including Dual-Role Power ports presently operating as a Sink.</p> <p>Each Power Data Object <b>Shall</b> describe a specific Source capability such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V) at a maximum allowable current. The <b>Number of Data Objects</b> field in the Message Header <b>Shall</b> define the number of Power Data Objects that follow the Message Header in a Data Message. All Sources <b>Shall</b> minimally offer one Power Data Object that reports <b>vSafe5V</b>. A Source <b>Shall Not</b> offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but <b>Shall</b> instead offer one Power Data Object with the highest available current for that Source capability and voltage.</p> <p>Sinks with Accessory Support do not source V<sub>BUS</sub> (see <b>[USB Type-C 2.0]</b>). Sinks with Accessory Support are still considered Sources when sourcing VCONN to an Accessory even though V<sub>BUS</sub> is not applied; in this case they <b>Shall</b> advertise <b>vSafe5V</b> with the Maximum Current set to 0mA in the first Power Data Object. The main purpose of this is to enable the Sink with Accessory Support to get into the <b>PE_SRC_Ready</b> State in order to enter an Alternate Mode.</p> <p>A Sink <b>Shall</b> evaluate every <b>Source_Capabilities</b> Message it receives and <b>Shall</b> respond with a <b>Request</b> Message. If its power consumption exceeds the Source's capabilities it <b>Shall</b> re-negotiate so as not to exceed the Source's most recently advertised capabilities.</p> <p>A Sink that evaluates the <b>Source_Capabilities</b> Message it receives and identifies a PPS APDO <b>Shall</b> periodically re-request the PPS APDO at least every <b>tPPSRequest</b> until either:</p>
--	---

## EXHIBIT 2

### 6.4.1 Capabilities Message

A Capabilities Message (*Source\_Capabilities* Message or *Sink\_Capabilities* Message) **Shall** have at least one Power Data Object for *vSafe5V*. The Capabilities Message **Shall** also contain the sending Port's information followed by up to 6 additional Power Data Objects. Power Data Objects in a Capabilities Message **Shall** be sent in the following order:

1. The *vSafe5V* Fixed Supply Object **Shall** always be the first object.
2. The remaining Fixed Supply Objects, if present, **Shall** be sent in voltage order; lowest to highest.
3. The Battery Supply Objects, if present **Shall** be sent in Minimum Voltage order; lowest to highest.
4. The Variable Supply (non-Battery) Objects, if present, **Shall** be sent in Minimum Voltage order; lowest to highest.
5. The Programmable Power Supply Objects, if present, **Shall** be sent in Maximum Voltage order, lowest to highest.

Figure 6-12 Example Capabilities Message with 2 Power Data Objects

Header	Object1	Object2
No. of Data Objects = 2		

In Figure 6-12, the *Number of Data Objects* field is 2: *vSafe5V* plus one other voltage.

Power Data Objects (PDO) and Augmented Power Data Objects (APDO) are identified by the Message Header's Type field. They are used to form *Source\_Capabilities* Messages and *Sink\_Capabilities* Messages.

## EXHIBIT 2

	<p>Sources expose their power capabilities by sending a <b>Source Capabilities</b> Message. Sinks expose their power requirements by sending a <b>Sink Capabilities</b> Message. Both are composed of a number of 32-bit Power Data Objects (see Table 6-7).</p> <p style="text-align: center;"><b>Table 6-7 Power Data Object</b></p> <table border="1" data-bbox="736 354 1792 568"> <thead> <tr> <th>Bit(s)</th><th colspan="2">Description</th></tr> </thead> <tbody> <tr> <td rowspan="5">B31...30</td><th>Value</th><th>Parameter</th></tr> <tr> <td>00b</td><td>Fixed supply (Vmin = Vmax)</td></tr> <tr> <td>01b</td><td>Battery</td></tr> <tr> <td>10b</td><td>Variable Supply (non-Battery)</td></tr> <tr> <td>11b</td><td>Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...0</td><td colspan="2">Specific Power Capabilities are described by the PDOs in the following sections.</td></tr> </tbody> </table> <p>The Augmented Power Data Object (APDO) is defined to allow support for more than the four PDO types by extending the Power Data Object field from 2 to 4 bits when the B31...B30 are 11b. The generic APDO structure is shown in Table 6-8.</p> <p style="text-align: center;"><b>Table 6-8 Augmented Power Data Object</b></p> <table border="1" data-bbox="736 735 1792 886"> <thead> <tr> <th>Bit(s)</th><th>Description</th></tr> </thead> <tbody> <tr> <td>B31...30</td><td>11b - Augmented Power Data Object (APDO)</td></tr> <tr> <td>B29...28</td><td>00b - Programmable Power Supply</td></tr> <tr> <td>B28...27</td><td>01b-11b - <b>Reserved</b></td></tr> <tr> <td>B27...0</td><td>Specific Power Capabilities are described by the APDOs in the following sections.</td></tr> </tbody> </table> <p><i>Source: USB PD 3.0 specification.PDF</i></p>	Bit(s)	Description		B31...30	Value	Parameter	00b	Fixed supply (Vmin = Vmax)	01b	Battery	10b	Variable Supply (non-Battery)	11b	Augmented Power Data Object (APDO)	B29...0	Specific Power Capabilities are described by the PDOs in the following sections.		Bit(s)	Description	B31...30	11b - Augmented Power Data Object (APDO)	B29...28	00b - Programmable Power Supply	B28...27	01b-11b - <b>Reserved</b>	B27...0	Specific Power Capabilities are described by the APDOs in the following sections.
Bit(s)	Description																											
B31...30	Value	Parameter																										
	00b	Fixed supply (Vmin = Vmax)																										
	01b	Battery																										
	10b	Variable Supply (non-Battery)																										
	11b	Augmented Power Data Object (APDO)																										
B29...0	Specific Power Capabilities are described by the PDOs in the following sections.																											
Bit(s)	Description																											
B31...30	11b - Augmented Power Data Object (APDO)																											
B29...28	00b - Programmable Power Supply																											
B28...27	01b-11b - <b>Reserved</b>																											
B27...0	Specific Power Capabilities are described by the APDOs in the following sections.																											
determining whether the charger identification is in a list of charger identifications belonging to the plurality of authorized chargers;	The accused product practices determining whether the charger identification (e.g., specification revision value and capabilities of the charger as indicated in the Source_Capabilities message) is in a list of charger identifications belonging to the plurality of authorized chargers (e.g., specification revision values and source capabilities supported by the accused device).																											

## EXHIBIT 2

	<p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p>When the Source Port first communicates with the Sink Port the <b>Specification Revision</b> field <b>Shall</b> be used as described by the following steps:</p> <ol style="list-style-type: none"> <li>1. The Source Port sends a <b>Source Capabilities</b> Message to the Sink Port setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Source Port supports.</li> <li>2. The Sink Port responds with a <b>Request</b> Message setting the <b>Specification Revision</b> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <b>Specification Revision</b> received from the Source Port.</li> <li>3. The Source and Sink Ports <b>Shall</b> use the <b>Specification Revision</b> in the <b>Request</b> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</li> </ol> <p style="text-align: center;">6.2.1.1.5 Specification Revision</p> <p>The <b>Specification Revision</b> field <b>Shall</b> be one of the following values (except 11b):</p> <ul style="list-style-type: none"> <li>• 00b – Revision 1.0</li> <li>• <u>01b – Revision 2.0</u></li> <li>• <u>10b – Revision 3.0</u></li> <li>• 11b – <b>Reserved</b>, <b>Shall Not</b> be used</li> </ul> <p>To ensure interoperability with existing USBPD Products, USBPD Products <b>Shall</b> support every PD Specification Revision starting from <b>[USBPD 2.0]</b> for <b>SOP*</b>; the only exception to this is a VPD which <b>Shall Ignore</b> Messages sent with PD Specification Revision 2.0 and earlier.</p>
--	---

## EXHIBIT 2

	<p><b>6.4.1.3 Sink Capabilities Message</b></p> <p>A Sink Port <b>Shall</b> report power levels it is able to operate at in a series of 32-bit Power Data Objects (see Table 6-7). These are returned as part of a <b>Sink Capabilities</b> Message in response to a <b>Get_Sink_Cap</b> Message (see Figure 6-12). This is similar to that used for Source Port capabilities with equivalent Power Data Objects for Fixed, Variable and Battery Supplies as defined in this section. Power Data Objects are used to convey the Sink Port's operational power requirements including Dual-Role Power Ports presently operating as a Source.</p> <p>Each Power Data Object <b>Shall</b> describe a specific Sink operational power level, such as a Battery (e.g. 2.8-4.1V) or a fixed power supply (e.g. 12V). The <b>Number of Data Objects</b> field in the Message Header <b>Shall</b> define the number of Power Data Objects that follow the Message Header in a Data Message.</p> <p>All Sinks <b>Shall</b> minimally offer one Power Data Object with a power level at which the Sink can operate. A Sink <b>Shall Not</b> offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but <b>Shall</b> instead offer one Power Data Object with the highest available current for that Sink capability and voltage.</p> <p>All Sinks <b>Shall</b> include one Power Data Object that reports <b>vSafe5V</b> even if they require additional power to operate fully. In the case where additional power is required for full operation the Higher Capability bit <b>Shall</b> be set.</p>
--	---

## EXHIBIT 2

	<p><b>2.6.2 <u>Sink Operation</u></b></p> <ul style="list-style-type: none"> <li>• At Attach (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ Sink detects Source Attachment through the presence of <b><i>vSafe5V</i></b>.</li> <li>◦ For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.</li> <li>◦ <u>Once the Sink detects the presence of <b><i>vSafe5V</i></b> on <b><i>V<sub>BUS</sub></i></b> it waits for a <b><i>Source Capabilities</i></b> Message indicating the presence of a PD capable Source.</u></li> <li>◦ If the Sink does not receive a <b><i>Source Capabilities</i></b> Message within <b><i>tTypeCSinkWaitCap</i></b> then it issues <b><i>Hard Reset</i></b> Signaling in order to cause the Source Port to send a <b><i>Source Capabilities</i></b> Message if the Source Port is PD capable.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and does not recognize them.</li> </ul> </li> <li>• Establishing PD Connection (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ The Sink receives a <b><i>Source Capabilities</i></b> Message and responds with a <b><i>GoodCRC</i></b> Message.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <b><i>Discards</i></b> them.</li> </ul> </li> <li>• Establishing Explicit Contract (PD Connection but no Explicit Contract or Implicit Contract after a Power Role Swap or Fast Role Swap): <ul style="list-style-type: none"> <li>◦ <u>The Sink receives a <b><i>Source Capabilities</i></b> Message from the Source and responds with a <b><i>Request</i></b> Message. If this is a <b><i>Valid</i></b> request the Sink receives an <b><i>Accept</i></b> Message followed by a <b><i>PS_RDY</i></b> Message when the Source's power supply is ready to source power at the agreed level. At this point the Source and Sink have entered into an Explicit Contract:</u> <ul style="list-style-type: none"> <li>▪ The Sink Port may request one of the capabilities offered by the Source, even if this is the <b><i>vSafe5V</i></b> output offered by <b><i>[USB 2.0], [USB 3.2], [USB Type-C 2.0]</i></b> or <b><i>[USBBC 1.2]</i></b>, in order to enable future power negotiation: <ul style="list-style-type: none"> <li>◆ A Sink not requesting any capability with a <b><i>Request</i></b> Message results in an error.</li> </ul> </li> <li>▪ A Sink unable to fully operate at the offered capabilities requests the default capability but indicates that it would prefer another power level and provide a physical indication of the failure to the end user (e.g. using an LED).</li> <li>▪ A Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <b><i>Discards</i></b> them.</li> </ul> </li> </ul> </li> </ul> <p><i>Source: USB PD 3.0 specification.PDF</i></p>
--	--

## EXHIBIT 2

	<p>The accused product receives energy from a charger (e.g., authorized charger) which provides source capabilities and supported specification revision value. In case the charger doesn't provide a supported specification revision value, i.e., if the charger complies with USB PD 1.0, or the charger doesn't provide source capabilities requested by the accused device, the accused product will not consider the charger as an authorized charger and communication gets fail. The communication between charger and the accused product comes to a USB default operation at zero volts.</p> <p>6.2.1.1.5 Specification Revision</p> <p>The <i>Specification Revision</i> field <b><i>Shall</i></b> be one of the following values (except 11b):</p> <ul style="list-style-type: none"><li>• 00b –Revision 1.0</li><li>• <u>01b –Revision 2.0</u></li><li>• <u>10b – Revision 3.0</u></li><li>• 11b – <b><i>Reserved, Shall Not</i></b> be used</li></ul> <p>To ensure interoperability with existing USBPD Products, USBPD Products <b><i>Shall</i></b> support every PD Specification Revision starting from <u><i>[USBPD 2.0]</i></u> for <i>SOP*</i>; the only exception to this is a VPD which <b><i>Shall Ignore</i></b> Messages sent with PD Specification Revision 2.0 and earlier.</p>
--	--

## EXHIBIT 2

	<p><b><u>2.6.2 Sink Operation</u></b></p> <ul style="list-style-type: none"> <li>• At Attach (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ Sink detects Source Attachment through the presence of <i>vSafe5V</i>.</li> <li>◦ For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.</li> <li>◦ <u>Once the Sink detects the presence of <i>vSafe5V</i> on <i>V<sub>BUS</sub></i> it waits for a <i>Source Capabilities</i> Message indicating the presence of a PD capable Source.</u></li> <li>◦ If the Sink does not receive a <i>Source Capabilities</i> Message within <i>tTypeCSinkWaitCap</i> then it issues <i>Hard Reset</i> Signaling in order to cause the Source Port to send a <i>Source Capabilities</i> Message if the Source Port is PD capable.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and does not recognize them.</li> </ul> </li> <li>• Establishing PD Connection (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ The Sink receives a <i>Source Capabilities</i> Message and responds with a <i>GoodCRC</i> Message.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> <li>• Establishing Explicit Contract (PD Connection but no Explicit Contract or Implicit Contract after a Power Role Swap or Fast Role Swap): <ul style="list-style-type: none"> <li>◦ <u>The Sink receives a <i>Source Capabilities</i> Message from the Source and responds with a <i>Request</i> Message. If this is a <i>Valid</i> request the Sink receives an <i>Accept</i> Message followed by a <i>PS_RDY</i> Message when the Source's power supply is ready to source power at the agreed level. At this point the Source and Sink have entered into an Explicit Contract:</u> <ul style="list-style-type: none"> <li>▪ The Sink Port may request one of the capabilities offered by the Source, even if this is the <i>vSafe5V</i> output offered by <b>[USB 2.0]</b>, <b>[USB 3.2]</b>, <b>[USB Type-C 2.0]</b> or <b>[USBBC 1.2]</b>, in order to enable future power negotiation: <ul style="list-style-type: none"> <li>◆ A Sink not requesting any capability with a <i>Request</i> Message results in an error.</li> </ul> </li> <li>▪ A Sink unable to fully operate at the offered capabilities requests the default capability but indicates that it would prefer another power level and provide a physical indication of the failure to the end user (e.g. using an LED).</li> <li>▪ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> </ul> </li> </ul>
--	--

## EXHIBIT 2

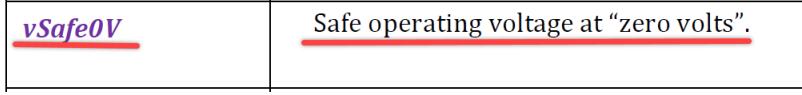
	<p>8.3.3.2.8 PE_SRC_Capability_Response State</p> <p>The Policy Engine <b>Shall</b> enter the <b>PE_SRC_Capability_Response</b> state if there is a Request received from the Sink that cannot be met based on the present capabilities. When the present Contract is not within the present capabilities it is regarded as <b>Invalid</b> and a Hard Reset will be triggered.</p> <p><b>7.1.5 Response to Hard Resets</b></p> <p><b>Hard Reset</b> Signaling indicates a communication failure has occurred and the Source <b>Shall</b> stop driving VCONN, <b>Shall</b> remove Rp from the VCONN pin and <b>Shall</b> drive V<sub>BUS</sub> to <b>vSafe0V</b> as shown in Figure 7-10. The USB connection <b>May</b> reset during a Hard Reset since the V<sub>BUS</sub> voltage will be less than <b>vSafe5V</b> for an extended period of time. After establishing the <b>vSafe0V</b> voltage condition on V<sub>BUS</sub>, the Source <b>Shall</b> wait <b>tSrcRecover</b> before re-applying VCONN and restoring V<sub>BUS</sub> to <b>vSafe5V</b>. A Source <b>Shall</b> conform to the VCONN timing as specified in <b>[USB Type-C 2.0]</b>.</p> <p>Device operation during and after a Hard Reset is defined as follows:</p> <ul style="list-style-type: none"> <li>• Self-powered devices <b>Should Not</b> disconnect from USB during a Hard Reset (see Section 9.1.2).</li> <li>• Self-powered devices operating at more than <b>vSafe5V</b> <b>May Not</b> maintain full functionality after a <b>Hard Reset</b>.</li> <li>• Bus powered devices will disconnect from USB during a Hard Reset due to the loss of their power source.</li> </ul> <p>When a Hard Reset occurs the Source <b>Shall</b> stop driving VCONN, <b>Shall</b> remove Rp from the VCONN pin and <b>Shall</b> start to transition the V<sub>BUS</sub> voltage to <b>vSafe0V</b> either:</p> <ul style="list-style-type: none"> <li>• <b>tPSHardReset</b> after the last bit of the <b>Hard Reset</b> Signaling has been received from the Sink or</li> <li>• <b>tPSHardReset</b> after the last bit of the <b>Hard Reset</b> Signaling has been sent by the Source.</li> </ul> <p>The Source <b>Shall</b> meet both <b>tSafe5V</b> and <b>tSafe0V</b> relative to the start of the voltage transition as shown in Figure 7-10.</p>  <p><i>Source: USB PD 3.0 specification.PDF</i></p>
in response to determining that the charger identification is in the list of charger identifications:	The accused product practices the method such that in response to determining that the charger identification (e.g., identification information related to specification revision value as well as capabilities indicated in the Source_Capabilities message sent by the charger) is in a list of charger identifications (e.g., specification

EXHIBIT 2

receiving the energy from the charger;	revision values and capabilities supported by the accused device), it practices receiving the energy from the charger (e.g., USB PD compliant charger).
	<p><b>Nomad</b></p> <p><u>With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours.</u> The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).</p> <p><a href="https://www.parrot.com/en/drones/anafi">https://www.parrot.com/en/drones/anafi</a></p>

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
--	--

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).  
USB-C on-the-go charging system (Compatible with Powerbanks).  
Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10°C to +40°C).



**FAST & EASY TO UNFOLD**

**ULTRA COMPACT**

**FOLDABLE CONTROLLER**

**USB-C ON-THE-GO CHARGING SYSTEM**

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<ul style="list-style-type: none"><li>• Video resolution:<ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul></li><li>• Video HFOV: 69°</li><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul>
		<b>IMAGE STABILIZATION</b> • 5-axis hybrid image stabilization

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<p><b>6.3.4 Smart charging</b></p> <p>ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a <u>USB 3.0 Power Delivery adapter</u> delivering 9 V to 12 V, the battery is fully charged in 90 minutes.</p> <p>Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.</p> <p>Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p> <p><b>Smart charging</b></p> <p>ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with <u>USB Power Delivery (PD) 3.0</u> protocol. This protocol enables a very fast 112 minutes charge with an <u>USB-PD 3.0 charger</u> (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.</p> <p><a href="https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf">https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf</a></p> <p>An Attach event or a Hard Reset <b>Shall</b> cause the detection of the applicable Specification Revision to be performed for both Ports and Cable Plugs according to the rules stated below:</p> <p><b>When the Source Port first communicates with the Sink Port the <i>Specification Revision</i> field <b>Shall</b> be used as described by the following steps:</b></p> <ol style="list-style-type: none"> <li>1. <b>The Source Port sends a <i>Source Capabilities</i> Message to the Sink Port setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Source Port supports.</b></li> <li>2. <b>The Sink Port responds with a <i>Request</i> Message setting the <i>Specification Revision</i> field to the highest Revision of the Power Delivery Specification the Sink Port supports that is equal to or lower than the <i>Specification Revision</i> received from the Source Port.</b></li> <li>3. <b>The Source and Sink Ports <b>Shall</b> use the <i>Specification Revision</i> in the <i>Request</i> Message from the Sink in step 2 in all subsequent communications until a Detach, Hard Reset, or Error Recovery happens.</b></li> </ol>
--	--

## EXHIBIT 2

#### 6.4.1.3 Sink Capabilities Message

A Sink Port **Shall** report power levels it is able to operate at in a series of 32-bit Power Data Objects (see Table 6-7). These are returned as part of a **Sink\_Capabilities** Message in response to a **Get\_Sink\_Cap** Message (see Figure 6-12). This is similar to that used for Source Port capabilities with equivalent Power Data Objects for Fixed, Variable and Battery Supplies as defined in this section. Power Data Objects are used to convey the Sink Port's operational power requirements including Dual-Role Power Ports presently operating as a Source.

Each Power Data Object **Shall** describe a specific Sink operational power level, such as a Battery (e.g. 2.8-4.1V) or a **fixed power supply** (e.g. 12V). The **Number of Data Objects** field in the Message Header **Shall** define the number of Power Data Objects that follow the Message Header in a Data Message.

**All Sinks Shall** minimally offer one Power Data Object with a power level at which the Sink can operate. A Sink **Shall Not** offer multiple Power Data Objects of the same type (fixed, variable, Battery) and the same voltage but **Shall** instead offer one Power Data Object with the highest available current for that Sink capability and voltage.

**All Sinks Shall** include one Power Data Object that reports **vSafe5V** even if they require additional power to operate fully. In the case where additional power is required for full operation the Higher Capability bit **Shall** be set.

## EXHIBIT 2

	<p><b><u>2.6.2 Sink Operation</u></b></p> <ul style="list-style-type: none"> <li>• At Attach (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ Sink detects Source Attachment through the presence of <i>vSafe5V</i>.</li> <li>◦ For a DRP that toggles the Port becomes a Sink Port on Attachment of a Source.</li> <li>◦ Once the Sink detects the presence of <i>vSafe5V</i> on <math>V_{BUS}</math> it waits for a <i>Source Capabilities</i> Message indicating the presence of a PD capable Source.</li> <li>◦ If the Sink does not receive a <i>Source Capabilities</i> Message within <i>tTypeCSinkWaitCap</i> then it issues <i>Hard Reset</i> Signaling in order to cause the Source Port to send a <i>Source Capabilities</i> Message if the Source Port is PD capable.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and does not recognize them.</li> </ul> </li> <li>• Establishing PD Connection (no PD Connection or Contract): <ul style="list-style-type: none"> <li>◦ The Sink receives a <i>Source Capabilities</i> Message and responds with a <i>GoodCRC</i> Message.</li> <li>◦ The Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> <li>• Establishing Explicit Contract (PD Connection but no Explicit Contract or Implicit Contract after a Power Role Swap or Fast Role Swap): <ul style="list-style-type: none"> <li>◦ The Sink receives a <i>Source Capabilities</i> Message from the Source and responds with a <i>Request</i> Message. If this is a <i>Valid</i> request the Sink receives an <i>Accept</i> Message followed by a <i>PS RDY</i> Message when the Source's power supply is ready to source power at the agreed level. At this point the Source and Sink have entered into an Explicit Contract: <ul style="list-style-type: none"> <li>▪ The Sink Port may request one of the capabilities offered by the Source, even if this is the <i>vSafe5V</i> output offered by <i>[USB 2.0]</i>, <i>[USB 3.2]</i>, <i>[USB Type-C 2.0]</i> or <i>[USBBC 1.2]</i>, in order to enable future power negotiation: <ul style="list-style-type: none"> <li>◆ A Sink not requesting any capability with a <i>Request</i> Message results in an error.</li> </ul> </li> <li>▪ A Sink unable to fully operate at the offered capabilities requests the default capability but indicates that it would prefer another power level and provide a physical indication of the failure to the end user (e.g. using an LED).</li> <li>▪ A Sink does not generate SOP' or SOP" Packets, is not required to detect SOP' or SOP" Packets and <i>Discards</i> them.</li> </ul> </li> </ul> </li> </ul> <p><i>Source: USB PD 3.0 specification.PDF</i></p>
--	---

## EXHIBIT 2

generating, using the converter, the power from the energy received from the charger;

The accused product practices generating, using the converter (e.g., converting power from USB to battery charging), the power from the energy received from the charger (e.g., USB PD charger).

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

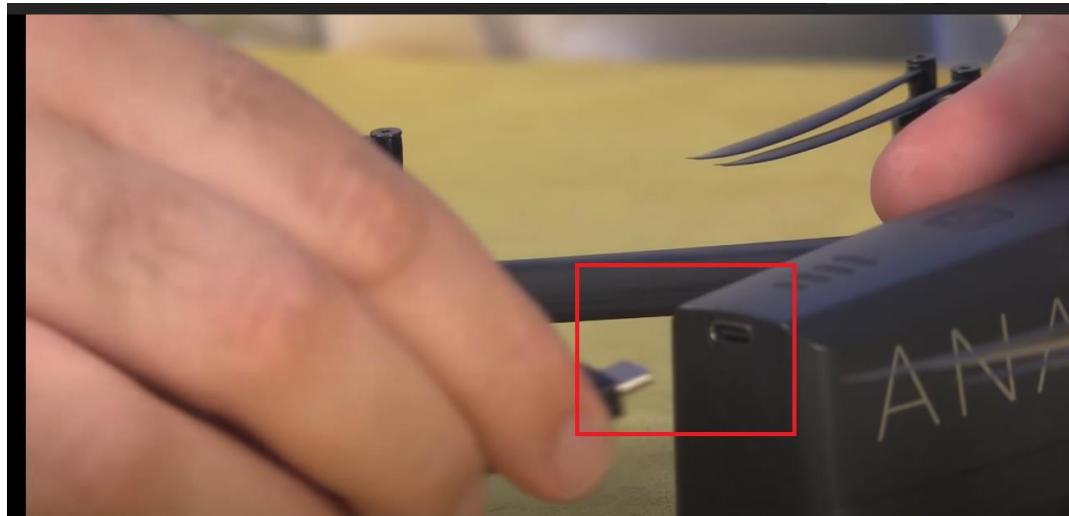
#### 6.3.4 Smart charging

ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.

Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.

Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>



<https://www.youtube.com/watch?v=xR-LghIgTBk>

EXHIBIT 2



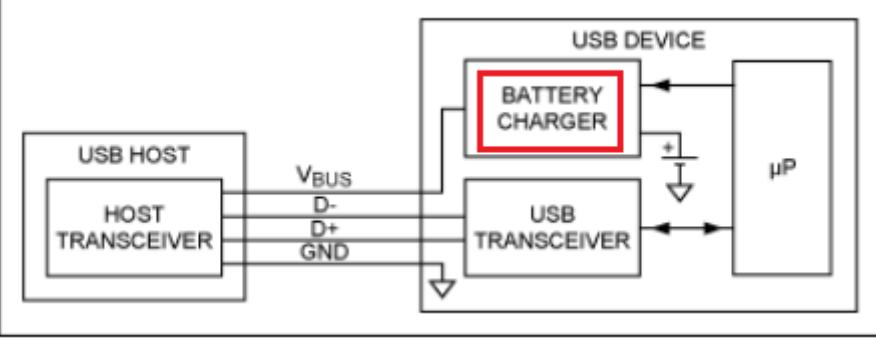
*Source: Parrot ANAFI external image*

Smart charging

ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an USB-PD 3.0 charger (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.

[https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3\\_en.pdf](https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf)

## EXHIBIT 2

	 <p><a href="https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#">https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#</a></p>
<p>charging the battery using the power received from the converter; and using the battery to power the electronic circuitry.</p>	<p>The accused product practices charging the battery (e.g., battery of the accused product) using the power received from the converter (e.g., converting power from USB to battery charging) and using the battery to power the electronic circuitry (e.g., camera, display, etc. of the accused product).</p>

## EXHIBIT 2

## 6.2 Performance

### Battery Performance

Weight	125 g
Battery Energy density	164 Wh/kg
Charging Time	90 min (USB-PD)
Energy	HD battery (HV)
Cells	LiPo 2S
Capacity	2700 mAh 8 V
Charger	USB-C Power Delivery Charger
Cycle Life	94 % remaining capacity after 360 cycles
Storage Temperature	-20 °C/40 °C
Minimal take-off temperature	-14 °C (21 min)
Typical take-off temperature	40 °C (25 min)
Maximal take-off temperature	+60 °C (13 min)

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2

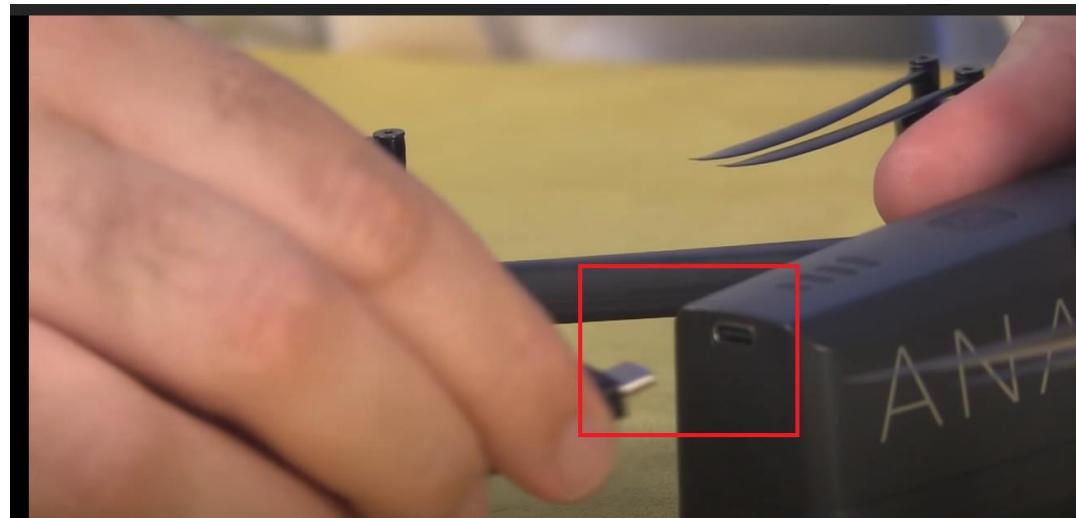
#### 6.3.4 Smart charging

ANAFI's battery are easily and quickly charged by any USB-C adapter, through its unique 18 W integrated charger - a first on the market. Furthermore, the battery is USB Power Delivery compatible, for a fast USB charge. With a USB 3.0 Power Delivery adapter delivering 9 V to 12 V, the battery is fully charged in 90 minutes.

Unlike most other drones, ANAFI's battery is equipped with an onboard charger, making it a lot less cumbersome. ANAFI's Parrot Skycontroller 3 and batteries are charged through the same USB-C charger that would charge a PC or a mobile phone.

Charging conditions: between -10 °C and +45 °C with humidity lower than 75 %.

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>



<https://www.youtube.com/watch?v=xR-LghIgTBk>

EXHIBIT 2



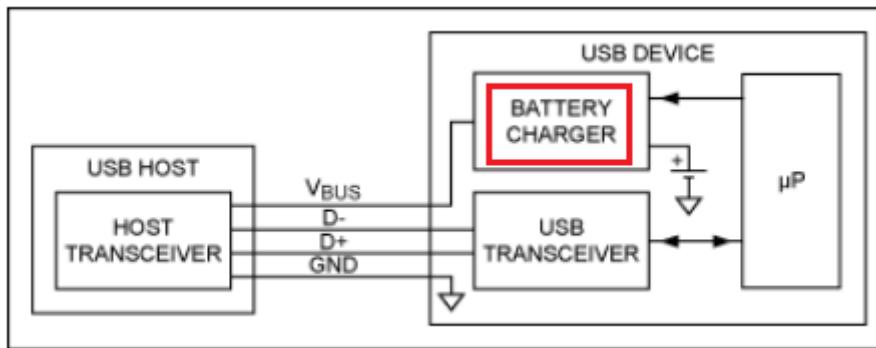
*Source: Parrot ANAFI external image*

Smart charging

ANAFI USA's battery charges easily and quickly with any USB-C adapter, thanks to its industry-first 26 W inbuilt charger. It is compatible with USB Power Delivery (PD) 3.0 protocol. This protocol enables a very fast 112 minutes charge with an USB-PD 3.0 charger (5 V, 9 V, 12 V, 15 V and 20 V profiles). ANAFI USA comes with a 5-port charger, to charge 3 batteries, the Skycontroller 3 and a device (smartphone or tablet) at the same time.

[https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3\\_en.pdf](https://www.parrot.com/assets/s3fs-public/2022-01/white-paper-anafi-usa-v1.5.3_en.pdf)

EXHIBIT 2



<https://www.electronicproducts.com/the-basics-of-usb-battery-charging-a-survival-guide/#>

As shown below, the accused product comprises a rechargeable battery.

## Nomad

With 25 minutes of battery life, the battery can be recharged via a USB-C cable, in 1.5 hours. The on-board computer constantly manages the battery level to ensure the security of the mission. ANAFI is programmed to automatically return to its starting point when the battery level becomes critical (Return To Home mode).

<https://www.parrot.com/en/drones/anafi>

EXHIBIT 2

	<p>Service ceiling: 4500m above sea level Operating Temperature range: -10°C to 40°C Satellite Positioning Systems: GPS &amp; GLONASS</p> <div style="border: 2px solid red; padding: 10px; margin: 10px 0;"><p><b>Smart battery</b></p><p>Type: High Density Lipo (2 cells) Battery capacity: 2700mAh Battery life: 25 min Charging port: USB-C Voltage: 7.6V WMax Charging power: 24W</p></div> <p><b>PARROT Skycontroller 3</b></p> <p>Size folded: 94x152x72mm Size unfolded: 153x152x116mm Weight: 386g Transmission system: Wi-Fi 802.11a/b/g/n Operating frequency: 2.4 - 5.8 GHz</p>
--	--

EXHIBIT 2

## ULTRA-PORTABLE DESIGN

Ultra-compact / Robust carbon design / Fast & easy to unfold (less than 3s).  
USB-C on-the-go charging system (Compatible with Powerbanks).  
Easy to pilot with a smartphone / Camera resistant to extreme temperatures (-10 °C to +40 °C).



**FAST & EASY TO UNFOLD**

**ULTRA COMPACT**

**FOLDABLE CONTROLLER**

**USB-C ON-THE-GO CHARGING SYSTEM**

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

## EXHIBIT 2

	<ul style="list-style-type: none"><li>• Operating temperature range: -10°C to 40°C</li><li>• Satellite Positioning Systems: GPS &amp; GLONASS</li></ul> <div style="border: 2px solid red; padding: 10px; margin-top: 10px;"><b>SMART BATTERY</b><ul style="list-style-type: none"><li>• Type: High density Lipo (2 cells)</li><li>• Battery capacity: 2700mAh</li><li>• Battery life: 25min</li><li>• Charging port: USB-C</li><li>• Weight: 126g</li><li>• Voltage: 7.6V</li><li>• Max charging power: 24W</li></ul></div> <b>CONTROLLER</b> <ul style="list-style-type: none"><li>• Size folded: 94x152x72mm</li><li>• Size unfolded: 150x152x115mm</li></ul>	<b>VIDEO RESOLUTION</b> <ul style="list-style-type: none"><li>- 4K Cinema 4096x2160 24fps</li><li>- 4K UHD 3840x2160 24/25/30fps</li><li>- FHD 1920x1080 24/25/30/48/50/60fps</li></ul> <b>VIDEO HFOV</b> : 69° <ul style="list-style-type: none"><li>• Max video bitrate: 100 Mbps</li><li>• Video format: MP4 (H264)</li><li>• Digital zoom:<ul style="list-style-type: none"><li>- Lossless: up to 2.8x (FHD) &amp; 1.4x (4K UHD)</li><li>- Standard: up to 3x (4K Cinema, 4K UHD, FHD)</li></ul></li><li>• Photo resolution:<ul style="list-style-type: none"><li>- Wide: 21MP (5344x4016) / 4:3 / 84° HFOV</li><li>- Rectilinear: 16MP (4608x3456) / 4:3 / 75.5° HFOV</li></ul></li><li>• Photo formats: JPEG, DNG (RAW)</li><li>• HDR: 4K UHD video</li></ul> <b>IMAGE STABILIZATION</b> <ul style="list-style-type: none"><li>• Optical</li><li>• Electronic</li></ul>
--	--	---

EXHIBIT 2

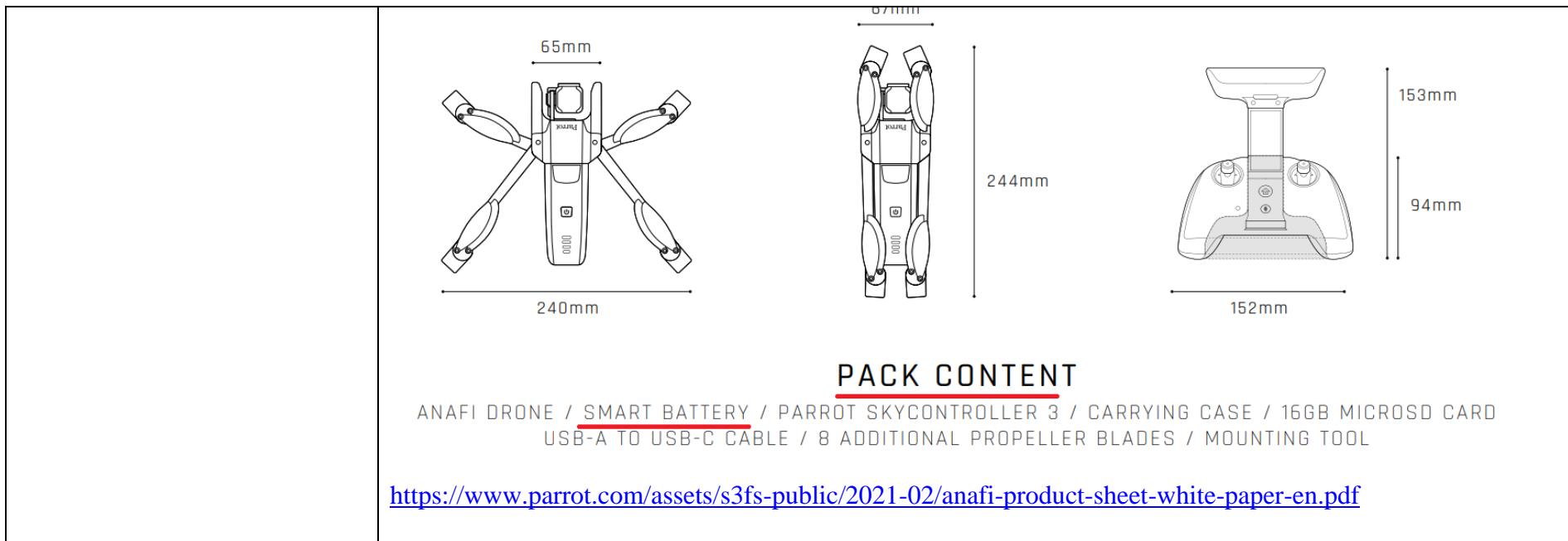


EXHIBIT 2

## 6 BATTERY

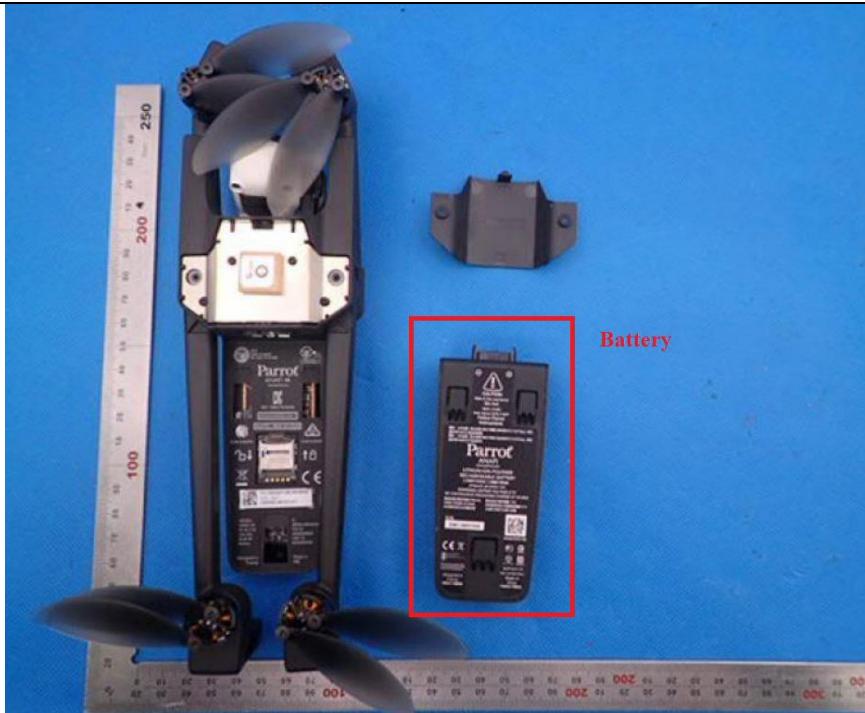
ANAFI's battery is the most evolved on the light drones' market.

### 6.1 Key Characteristics

- High density
- Intelligent power management
- Wintering
- Smart charging
- Quality control
- Cloud

<https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf>

EXHIBIT 2



*Source: Parrot ANAFI internal image*

EXHIBIT 2

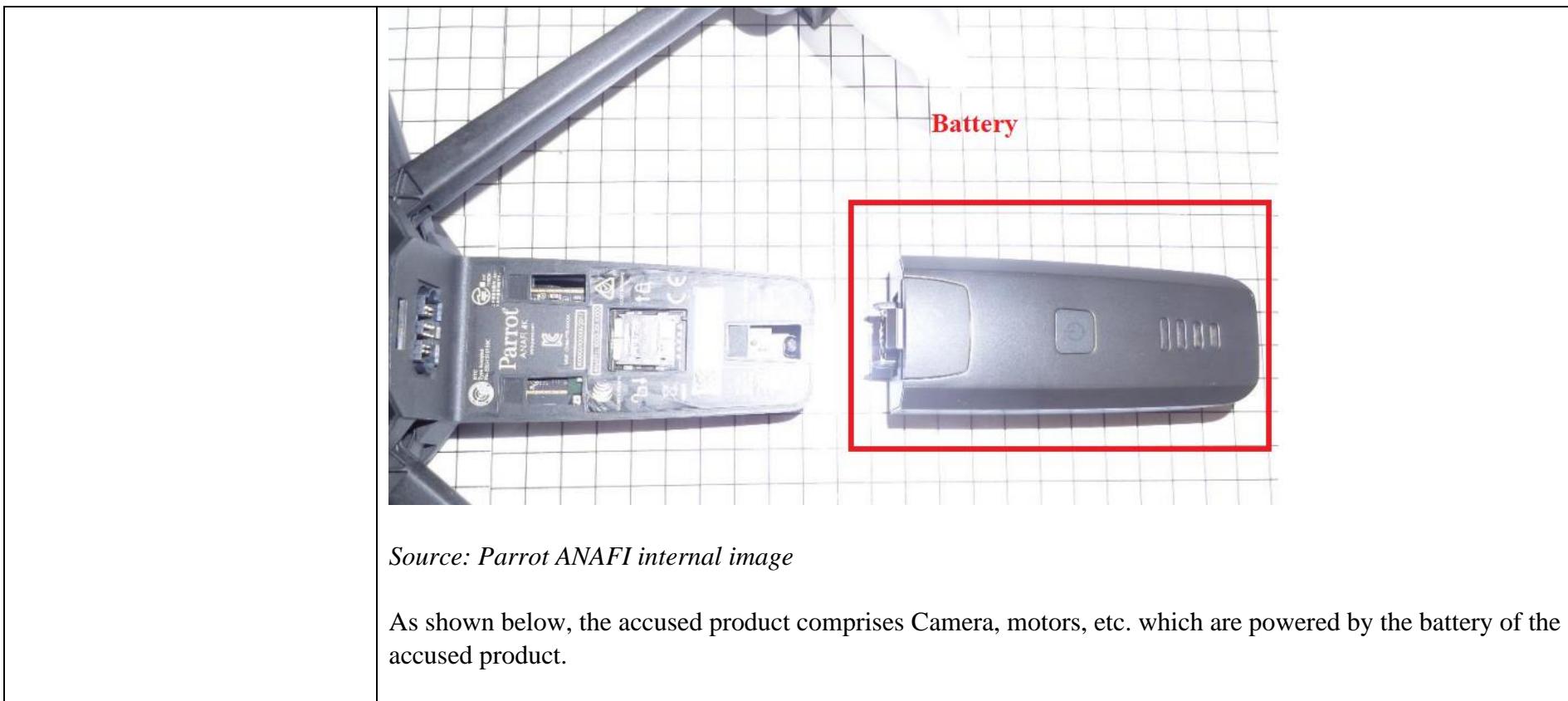


EXHIBIT 2

Parrot

ANAFI AI ANAFI USA Software Platform Company Trusted Drones Support

ANAFI

Watch video

Download technical documentation



<https://www.parrot.com/en/drones/anafi>

Home > Drones > **ANAFI**

## Camera module

Stabilised on 5 axes (2 mechanical axes and 3 electronic axes), the Sony optical sensor built into ANAFI allows clear images to be taken, despite the vibrations associated with drone flights. The x3 zoom and the 180° tilt of the camera provide a detailed view of the observed target.

## Compact

Foldable, light and easily deployable, ANAFI can be set up in just a few seconds.

### Features

Folded dimensions: 224x67x65 mm  
Unfolded dimensions: 175x240x65 mm  
Weight: 320g

## EXHIBIT 2

	<h2>1.2 Aerodynamics</h2> <h3>1.2.1 Key characteristics</h3> <ul style="list-style-type: none"><li>• <u>ANAFI's powerful motors (60 W)</u> have a 71 % yield (Pmech/Pelec efficiency) while stationary. They have been designed to get the best out of the propellers over the full flight range.</li><li>• Weight/autonomy ratio: the 25-minute flight time, light weight structure (320 g) and the high yield of its conversion chain allows ANAFI to fly fast (54 km/h) and far (14 km)</li><li>• Wind resistance: 50 km/h</li><li>• Wind gust resistance: 80 km/h</li><li>• Discreet: ANAFI is a lot quieter [65.5 dB (A) at 1 m] than any other comparable drone.</li></ul> <p><a href="https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf">https://www.parrot.com/assets/s3fs-public/2021-02/anafi-product-sheet-white-paper-en.pdf</a></p>
--	---